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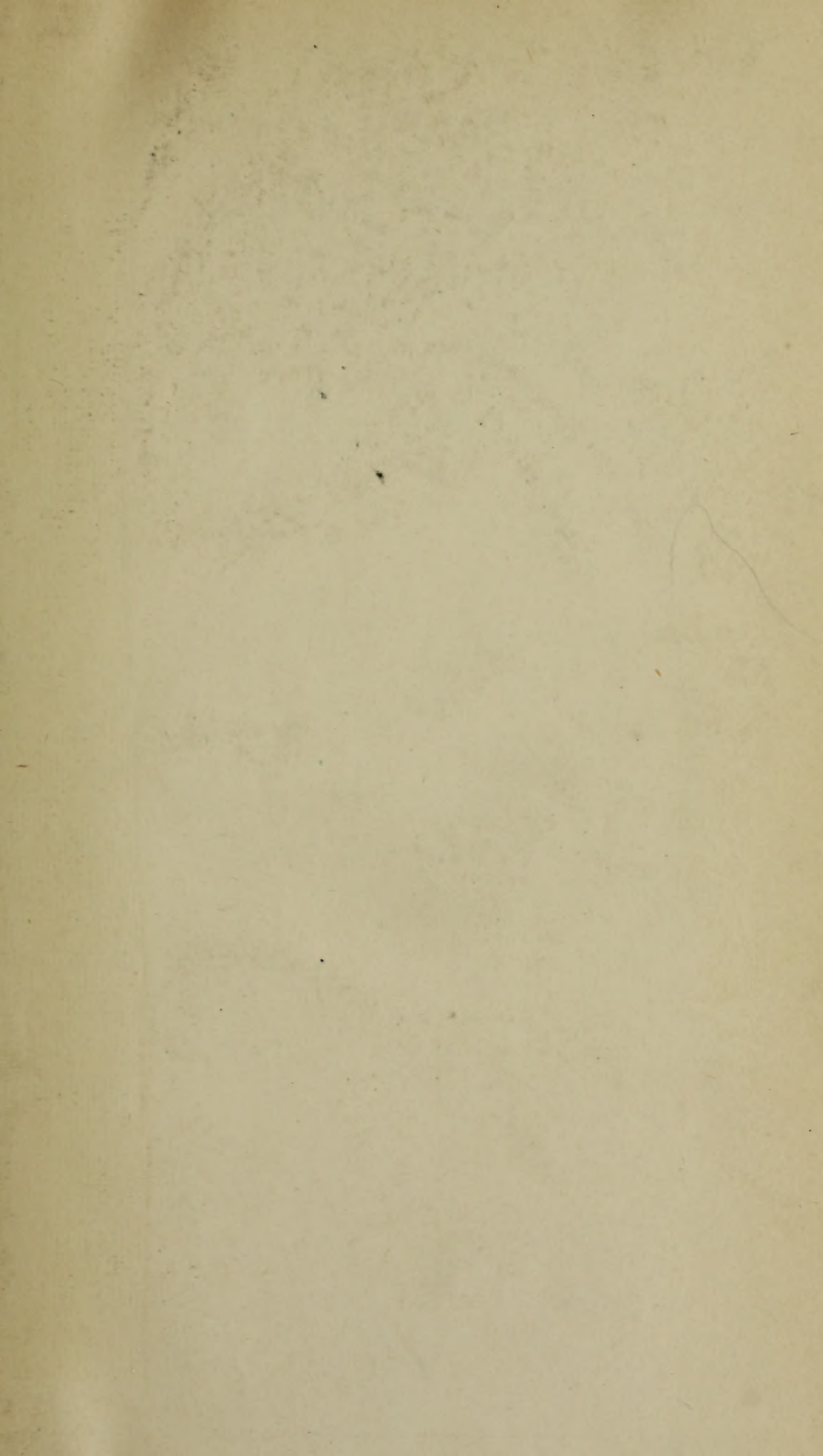
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REPORT OF THE CHIEF

OF

MASSACHUSETTS DISTRICT POLICE,

FOR

THE YEAR ENDING DECEMBER 31, 1893.

INCLUDING

THE RESULT OF THE INSPECTION OF FACTORIES
AND PUBLIC BUILDINGS.



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Commonwealth of Massachusetts.

OFFICE OF THE CHIEF OF THE DISTRICT POLICE,
BOSTON, January 1, 1894.

To His Excellency FREDERIC T. GREENHALGE, *Governor of the Commonwealth.*

GOVERNOR: — I have the honor to submit a report of the duties performed by the District Police for the year ending Dec. 31, 1893.

Very respectfully, your obedient servant,

RUFUS R. WADE,
Chief of District Police.

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Commonwealth of Massachusetts.

R E P O R T .

Chapter 103, section 11, of the Public Statutes provides that "the Chief of the District Police shall report to the governor, on or before the first day of January in each year, in relation to factories and public buildings, with such remarks, suggestions and recommendations as he may deem necessary."

Accordingly, I have the honor to submit my Fifteenth Annual Report.

I have endeavored to incorporate herein all the information which tends to show what has been accomplished by the District Police during the year covered by this report, which includes not only the prevention of crime and the detection and punishment of criminals, but also the enforcement of the numerous laws relating to the inspection of factories, workshops and public buildings.

The entire number of this force is thirty-eight, of whom twenty-six are detailed for service in the inspection department, eleven designated for detective duty, and one for the inspection of uninsured steam boilers and to inquire into the ability and competency of the engineers in charge thereof.

THE INSPECTION DEPARTMENT.

Some idea of the extent and nature of the duties of the inspectors may be had by reference to the statutes defining them; but not even the detailed reports of the several inspectors made to this office can give to those not familiar

with the matter discussed an adequate idea of the vast amount of labor performed by this department. Its duties embrace the enforcement of the laws relating to the hours of labor; the protection of operatives from unguarded machinery; the employment of women and minors; the schooling of children employed in factories and workshops; the preservation of the health of females employed in mechanical, manufacturing and mercantile establishments; reports of accidents in manufactories; safety appliances for elevators; provisions for escape from hotels and other buildings in case of fire; proper ventilation for factories and workshops, and uniform meal hours for children, young persons and women employed therein; the suppression of nuisances from drains, and provision of water-closets, etc., for the use of each sex employed in factories and workshops, and various other sanitary regulations; the inspection of buildings alleged to be unsafe or dangerous to life or limb, in case of fire or otherwise; the submission to the inspector for approval of a copy of plans and specifications of any building designed for certain public purposes, as factory, workshop, mercantile structure, hotels, apartment houses, lodging or tenement houses, above a certain height; communication between engineer's room and each room where machinery is run by steam, in every manufacturing establishment; proper safeguards at hatchways, elevator openings and well-holes in public buildings, factories and mercantile establishments; forbidding the use of portable seats in aisles or passageways in public halls, theatres, school-houses, churches, public buildings, etc., during any service or entertainment held therein; requiring fire-resisting curtains, approved by inspectors, for use in all theatres, etc.; competent watchmen, lights in hotels, gongs or other proper alarms, and notices posted describing means of escape from fire in boarding and lodging houses above a fixed size, family and public hotels; fire-escapes on tenement or lodging houses three or more stories in height; prohibiting during working hours the locking of any inside or outside door of any building where operatives are employed; public buildings and school-houses, in respect to cleanliness, suitable ventilation and sanitary conveniences; the weekly payment of wages by certain corporations to

each of its employees, the inspection of steam boilers, and their appurtenances, and the inquiring into the ability and competency of the engineers in charge thereof; and also the enforcement of the act to prevent the manufacture and sale of clothing made in unhealthy places, and sundry other matters not necessary here to describe.

DETECTIVE DEPARTMENT.

There is an obvious difference between the reports that are made by the officers of the inspection department, and those detailed for duty in the detective department.

An inspector of factories and workshops, in the proper discharge of his duties, is constantly employed in the task of investigation; but the facts he discovers and the action developed therefrom may be formulated into statistics and become the basis of recommendations for legislation. On the other hand, the work done by the officers detailed for detective duty is, much of it, of a confidential character and known in its essence and particulars to the district attorneys under whose specific direction the men have operated.

It is as true of them as it is of the factory and workshop inspectors that they possess peculiar qualifications gained by experience in similar callings and years of training in the service of the State. It gives much satisfaction to record my appreciation of their honesty and fidelity.

THE EMPLOYMENT OF CHILDREN IN FACTORIES, WORKSHOPS AND MERCANTILE ESTABLISHMENTS.

No public official should dread fair and honest criticism upon his acts, so far as it relates to the performance of his duty.

In the nature of the case some of the laws which this force is required to execute invite more or less opposition from those who are chiefly affected by such enforcement.

As, in the employment of children, under the conditions existing to-day in Massachusetts, on one hand, we are met by the persistent purpose of a certain class of parents, who, from necessity or otherwise, intend to avail themselves of the earnings of their children, and consequently often make false statements as to age, and in other ways seek to baffle

proper inquiries. And on the other hand, we are confronted by an uninformed and unreasonable clamor which is founded upon the notion that the District Police wink at violations of the law relating to child workers.

This office was recently asked for information relating to the effect of shutting down the mills upon children employed therein. It was stated that in Providence, R. I., during the business depression, especially in textile establishments, the public schools were crowded with children who had formerly been at work while the mills were running. And the inquiry was made at this office whether a similar condition of things might be expected in Massachusetts in the event of any general "shut-down."

In order to secure a trustworthy result the individual reports of inspectors from Fall River were taken, that being a city which is noted for its textile mills. The inquirer states the result of his investigations as follows:—

It was shown, according to the report for 1892, that the number of children under fourteen years of age was 663. As no children are allowed to be employed in Massachusetts mills until they are at least thirteen years of age, this number practically represents the number of employees who were between the ages of thirteen and fourteen years. These children, however, were not allowed to stay in the mills during the entire year, but were required to spend a portion of their time in school. As there were last year about twenty-five thousand employed in the Fall River mills, it follows that about two and one-half per cent of the number were children who were below the age when school attendance ceases to be compulsory.

It has been known to me for some time, and I have stated the fact in recent annual reports, that the effect of the law as to the age at which children might be employed in factories, and the law as to school requirements, was to induce superintendents to decline to employ them when it was clear they came within the prescribed limit of age.

The reports for 1893 began in January and extend through the calendar year. They embrace 106 manufacturing establishments, and show that but nine children were found at work. In fourteen of the largest establishments, giving work to more than twenty thousand employees, not

one child under fourteen years of age was found among that large number.

This result is in accordance with the statements of my reports, and shows that the strict and thorough inspection of these establishments and the impartial enforcement of the laws regulating child labor in factories have induced employers to exercise great care so as to prevent the hiring of children who are within the terms of the statute. It may confidently be affirmed that it is the settled policy of the mill owners and superintendents to comply to the fullest extent with the law relating to their employment of children.

Let me add that the inquirer who has been thus quoted further says, "Whether the same tendency to refuse employment to children who are under the jurisdiction of the school authorities is as apparent in all other manufacturing towns cannot be said positively until the reports of the inspectors are all received, but it is hardly possible that Fall River is the only large manufacturing centre where such a condition of things is apparent."

In view of a careful survey of the whole field, I have no hesitation in saying that what is true of Fall River is equally true of other cities and towns in the Commonwealth.

The great textile industries of Massachusetts are conducted with marked respect for the laws which the Legislature in its wisdom has enacted for the benefit of the wage-earner, and when instances of unintentional violations of the so-called labor laws have been brought to the notice of this department, a cheerful and speedy compliance has always followed.

SUMMARY OF INSPECTION WORK.

The records of this department show that 4,441 manufacturing, mechanical and mercantile establishments have been inspected.

From the reports of the various inspectors I find the whole number of children employed number 11,854.

The children employed between fourteen and sixteen years of age, 11,601.

Children employed between thirteen and fourteen years of age, 253.

Orders have been issued to the number of 2,688, and it is gratifying to state that there has been a general compliance with said orders.

In addition to the number of inspections made, for the purpose of investigating complaints and to ascertain if orders issued by the inspectors had been complied with, visits were made to the number of 348.

ELEVATORS.

The first legislation in relation to the use of elevators in our Commonwealth was in connection with the general inspection of buildings. It provided —

That the openings of all hoistways, hatchways, elevator and well-holes upon every floor of a factory or mercantile establishment or public building shall be protected by good and sufficient trap-doors or self-closing hatches and safety catches or such other safeguards as the inspector directs. And all due diligence shall be used to keep such trap-doors closed at all times, except when in use by the occupant of the building having the use and control of the same.

All elevator cabs or cars, whether used for freight or passengers, shall be provided with some suitable mechanical device to be approved by the said inspector, whereby the cab or car will be securely held in the event of accident to the shipper rope or hoisting machinery or from any similar cause.

A further step in advance was taken by the Legislature to provide against the use of unsafe elevators. It was provided —

That if any elevator, whether used for freight or passengers, shall, in the judgment of the inspector of factories and public buildings of the district in which such elevator is used, or, in the city of Boston, of the inspector of buildings of said city, be unsafe or dangerous to use, or has not been constructed in the manner required by law, the said inspector shall immediately placard conspicuously upon the entrance to or door of the cab or car of such elevator a notice of its dangerous condition, and prohibit the use of such elevator until made safe to the satisfaction of said inspector. Any person removing such notice or operating such elevator while such notice is placarded as aforesaid shall be punished by a fine of not less than ten nor more than fifty dollars.

Experience had long shown the imperative necessity of some restriction in relation to the employment of custodians of elevators. In many cases boys in their early teens were entrusted with the care of elevators. They were too young to comprehend the perils inherent in such employment. The dangers to themselves and to the numerous passengers whom they were required to carry were so great that further legislation became essential and the Legislature provided that —

No person, firm or corporation shall employ or permit any person under eighteen years of age to have the care, custody, management or operation of any elevator running at a speed of over two hundred feet a minute. Whoever violates the provisions of this act shall forfeit a sum of not less than twenty-five nor more than one hundred dollars for each offence.

The pressure for employment on the part of boys, whether by themselves or by their parents in their behalf, is so incessant that they are put into places of too great responsibility. The judgment required and the perils necessarily encountered by custodians of elevators are such that the strictest precautions should always be taken to secure proper persons for such work.

Many of the office buildings in the large cities are of an extreme height. It is stated that one of the tallest office buildings in the world is that of the Manhattan Life Insurance Company in the city of New York. Its height is eighteen stories, and will measure 350 feet from its base to the foot of the flagstaff. The elevator service in such enormous structures, in order to satisfy the popular demand of rapid transit, must involve great rapidity and peril to those depending upon it. Statistics have been published which declare that more than a half million passengers ride in the elevators of New York City every business day of the year. In Boston, the proportion would certainly be as great.

Too much importance cannot be attached to the task of selecting suitable persons to have the charge of elevators. It is a position demanding much skill and judgment. Occasions are liable to arise frequently when rare nerve and great

presence of mind must be constantly available. It is a fact of common knowledge, however, that many accidents have been caused by the gross negligence and inexperience of those in charge of elevators.

Formerly steam or hydraulic power was almost universally employed in elevator service, but the use of electricity is becoming general. The constant tendency to an increased and excessive rate of speed in the operation of passenger elevators has introduced a new element of danger.

Further legislation, providing some check upon the speed with which these elevators are operated, and in the direction of securing greater safety in their use, would seem to be demanded.

The proverbial haste of our people is not satisfied when they are lifted to the upper floors of high buildings at a proper rate of speed and in a period which is but a fraction of what was required formerly in walking the same distance. They must be rushed still more rapidly, without much consideration for safety of life and limb. The speed employed in some elevators is already too great. And reasonable caution requires that it shall not only not be increased, but a suitable limit fixed beyond which it shall not be lawful to run an elevator passenger car.

INSPECTION OF UNINSURED STATIONARY STEAM BOILERS AND THEIR APPURTENANCES.

The statutory provisions in relation to the erection and use of stationary steam engines in cities and towns prescribe the place where the building shall be erected in which the steam engine and furnace is to be used, and the materials and construction thereof, with such regulations as to the height of flues and protection against fire as the local authorities deem necessary for the safety of the neighborhood. Such engines cannot be legally used without license granted after written application, due notice and public hearing. Stationary steam engines and steam boilers, whether fixed or portable, may be examined and their use forbidden if upon such examination it appears probable that the use of such engine or boiler is unsafe. If, after due notice and hearing, the duly authorized authorities adjudge such engine

or boiler unsafe or defective or unfit to be used, they may pass a permanent order prohibiting the use thereof until it is rendered safe. If, after notice to the owner or person having charge thereof, such engine or boiler is used contrary to order, it is deemed a common nuisance without any other proof thereof than its use. And such steam engine or steam boiler, erected or used contrary to the provisions of law, may be abated and removed as boards of health may remove nuisances.

Another important provision of the statute is the following: —

No person shall manufacture, set up, use, or cause to be used, a steam boiler unless it is provided with a fusible safety-plug made of lead or some other equally fusible material, and of a diameter of not less than one-half an inch placed in the roof of the fire-box, when a fire-box is used, and in all cases in a part of the boiler fully exposed to the action of the fire, and as near the top of the water line as any part of the fire surface of the boiler, and for this purpose “Ashcroft’s” protected safety fusible plug may be used.

Whoever without just and proper cause removes from a boiler the safety-plug thereof or substitutes therefor any material more capable of resisting the action of the fire than the plug so removed, shall be punished by fine not exceeding one thousand dollars.

Whoever manufactures, sets up, or knowingly uses or causes to be used for six consecutive days a steam boiler unprovided with a safety fusible plug, as described in section fifty-one, shall be punished by fine not exceeding one thousand dollars.

Directly in the line of such legislation is chapter 387 of the Acts of 1893, entitled: —

AN ACT TO PROVIDE FOR THE APPOINTMENT OF AN ADDITIONAL DISTRICT POLICE OFFICER FOR TEMPORARY SERVICE IN THE INSPECTION OF UNINSURED BOILERS.

Be it enacted, etc., as follows:

SECTION 1. The Governor is hereby authorized to appoint one additional member of the district police force, who shall serve for the term of one year, shall receive a salary of fifteen hundred dollars, and shall, under the direction of the chief of said force, inspect uninsured stationary steam boilers and their appurtenances, in this Commonwealth, and inquire into the ability and competency

of the engineers in charge thereof, and report from time to time, as required, to said chief. Said chief shall embody the results of said inspection in his annual report made to the next general court, with such recommendations of legislation as he may think proper.

SECT. 2. This act shall take effect upon its passage.

For the first time in this Commonwealth, an attempt is to be made to secure, compile and report upon such information as may be obtained by an officer of this force appointed for this specific purpose, relative to the safety of uninsured stationary steam boilers and their appurtenances, and the ability and competency of the engineers in charge thereof.

From all the facts that have been brought to my attention relative to this matter, it may be safely stated that this additional inspection law, if rigidly enforced, will do much to insure the safety of those in charge of boilers and of the public generally.

The result of the inspections made by the inspector under the authority conferred by the last Legislature is of the gravest importance and suggests the imperative need of additional work in the same direction. It is a common impression that low-pressure boilers, which, by the way, are employed for generating steam for heating purposes in many of our school-houses and other buildings used for public purposes, do not need to be inspected for the purpose of safety; but this is erroneous, as any one familiar with the subject well knows.

The number of boilers that come within the scope of investigation by the lately appointed inspector is quite large. Included within it are the boilers of all the State institutions.

As to the competency of men in charge, instances are known of men in that capacity, calling themselves engineers, whose chief qualifications consist in the knowledge of how to build the fire and keep the water at a certain mark in the gauge. If an emergency arises requiring immediate action and some knowledge of the construction of boilers and ability to make slight repairs, it is discovered that the alleged engineer is scarcely more than an ordinary fireman.

It will be seen by the following report of the inspector that in many instances steam boilers were in charge of in-

competent so-called engineers. I should fail in the discharge of my duty did I refrain from entering my most emphatic protest against this criminal system of running steam boilers by men inexperienced and in fact ignorant of the first principle of steam engineering.

The following statements made by the inspector will show the condition of some of the uninsured steam boilers inspected, and the incompetency of those in charge thereof:—

The boiler at the Barnstable County court-house was found in such a poor condition that I did not consider it safe for them to use it further. The tubes were worn very thin and many tube ends burned off. They were considerably corroded and pitted in such places as could be seen, and it was quite safe to assume that those portions of the tubes that could not be seen were equally injured. The front sheet of the shell of the boiler, directly over the fire, had been burned at one time, and was perceptibly decreased in thickness for a considerable area at this point. The return and blow-off pipes were defective and almost worn out by corrosion. The safety valve could be tested under pressure, but was not as free in its movements as is necessary. The back connection of the boiler was filled with soot, and this and the back head bore the marks of not having been cleaned for a long time. The boiler had no man-hole, so nothing of the inside of the boiler could be seen except what was visible from the lower hand-hole, and therefore there was no knowledge of the extent of corrosion along the water line. The boiler bore many evidences of not receiving the attention it deserves, and the manner in which it was left during the warm season, when it should receive the most careful consideration, indicated that the person in charge knew nothing of the wear and tear of a boiler or the safe method of handling it. The boiler, in addition, was called upon to do more than it should do, and this added another element of danger. The recommendation in this case was for a new and larger boiler.

At one establishment a bad condition of affairs was found. When I went into this place there was no engineer in sight, although the boiler was under steam and supplying steam to an engine that was running near by. There was no water-glass on the boiler, but from the side of the boiler, at the rear, three try-cocks projected. Trying the lower one of these, I was surprised to find no water appear. I therefore instituted a hunt for the engineer and found him on the roof patching it. He grumbled considerably about coming down and the amount of work he had

to do besides run the boiler, and claimed he could not take care of everything at once. He tried the lower water try-cock, saw there was no water, and, although he had no knowledge of how low the water was, he started the injector as coolly as though it was a common thing to find no water in that try-cock. It took ten minutes by my watch before the water appeared in the lower cock, showing that the water must have been far below the level of the tubes. It was clear that this boiler did not receive the attention it required, and my expectation to find other defects appear was well grounded. The tubes were leaking very badly, and those that were not leaking had been stopped up by rust. The dry sheet had been burned off in places and the setting had sprung away, so that the fire came up directly to the up-take without going under the boiler, at the same time exposing the rivets of the first course to the direct action of the flame, with nothing whatever to protect them. The engineer claimed that he blew water from the boiler quite frequently, yet the most strenuous efforts of the engineer and myself could not start the blow-off plug, showing conclusively that it had not been used for a very long time. The setting was filled with large gaps and holes, and the general appearance was one of extreme neglect. The engineer stated that the boiler had a fusible plug. I inquired when he had renewed it last, and his reply was "last week." I next inquired where he had put it. He said "in the head, at the front." I asked him to show it to me. He opened the front doors and looked around, and then admitted that he did not know what a fusible plug was. This boiler was in a positively dangerous condition itself, and the danger was intensified by the absence and incompetence of the engineer. This boiler is on one of the crowded thoroughfares of South Boston. The recommendation was the removal of the boiler.

The boiler at another establishment inspected was defective in two particulars, there were no means of blowing off the water column, and the blow-off valve was out of doors where it could readily be frozen during the winter. These defects were of such a nature as to be easily remedied by the engineer, had he been sufficiently posted in his business to understand what might happen from such a condition of affairs. The defects noted are very common, but never found where the engineer is competent. So much depends upon knowing what the water level in a boiler is, that every care should be taken that the accuracy of the glass or gauges is not impaired. Where water columns are not provided with means to drain them, they shortly fill up with deposits and maintain a false water level in the glass, or shut off the column

entirely from connection with the boiler. The danger from blow-off valves placed outside is in freezing. If this occurs, and the engineer is not competent, the matter is left and the sediment collecting in the boiler fills the blow-off pipe, it is burned off, and trouble results, by having no means to draw the sediment from the boiler, in many cases burning the shell of the boiler, because the water is prevented by the deposited sediment from coming in contact with the heated plate, which soon becomes overheated.

One boiler inspected had defective attachments. The water-glass was set in such a way that there could be three inches of water shown in the glass, yet the crown sheet of this boiler be uncovered by water. Unless the engineer should first examine this water-glass it would be easy to burn out this crown sheet with plenty of water showing in the glass. This boiler was *not* provided with a fusible plug, as required by law, to guard against just such a mishap as this.

At another establishment no engineer could be found. "He had just gone off with the team," was the remark of one of the men. The boiler was a small horizontal tubular, had been burned at one time and patched; there was some corrosion on top and the wheel gone from the lower try-cock, and the general appearance not satisfactory.

In another case the boiler was found considerably corroded and pitted along the water line inside; the corrosion could not yet be considered dangerous, but the conditions that brought about this corrosion and the pitting noted are still present, and its development should be watched, and when it becomes dangerous, that fact known. The boiler has no engineer, and is not insured. There is no way it can have the proper inspection, except by a good engineer in charge, or by regular inspection by some outside competent person. It has reached the point where it needs frequent inspection. The safety-valve was not in a satisfactory condition or position. The top of the boiler is so close to the ceiling that a hole had to be cut in the floor overhead to get at the safety-valve. It is an inconvenient matter to get at this safety-valve to try it, as it should be tried, every day, and it is quite possible for the lever to get jammed against the rafters overhead, so as to prevent its working.

At one establishment visited were found three boilers. One of them I consider unfit for further use, and the other two should be limited in their pressure. Directly over this dangerous boiler is a box shop in which are employed a large number of girls. *None of the boilers was provided with fusible plugs*, although these have since been added, at my suggestion. The two tubular boilers

have had at one time an extension front attached to them, built of brick. In this front the fuel was burned, the flame striking immediately under the front end of the boiler. The rivets at this place, on both boilers, are burned almost to the shell, and all along the bottom of the boiler the rivets exposed to the action of the fire are burned. The dry sheet is burned off, there is considerable corrosion along the seams, and serious leakage about the tubes. The tubes are thin, many ends burned off, and considerable corrosion about the head and hand-holes. The boiler is dangerous in its present condition. When asked concerning a new boiler, or repairing these, the owner resented any suggestions from the State. "I am the only one who has anything to lose if that boiler bursts," was his reply. When asked about those employed overhead, he could only reply, "Let them look out for themselves." One of the boilers was reported unfit for further use, and changes suggested in the others, and a compliance with the law requiring fusible plugs. Putting in fusible plugs was the only compliance with the recommendations made.

Another boiler was found not insured, the companies not caring to assume the risk at the pressure carried, 70 pounds. Another boiler owned by the same firm is insured. This boiler is a Sullivan compound tubular boiler, and has been patched at one time on the bottom of the shell, a crack appearing in the shell. This boiler, the engineer states, he found with several inches of mud and scale covering the bottom inside. The only thing that prevented the plate being burned entirely its whole length was the fact that the dirt so filled the combustion chamber that it touched the bottom of the shell and prevented the fire reaching the sealed and dirty portion, the fire hugging the sides of the boiler. The present engineer is a competent man, but the pressure I consider excessive to carry upon this boiler.

At another shop an old hoisting engine was used to supply the power. The engineer has other work to do all over the yard, and goes to the boiler occasionally and puts on plenty of coal. The safety-valve is a pop-valve, and is set at 80 pounds. The water is blown from the boiler once in three months only. Nearly every seam has some leaks and a large number of the rivets are leaking, and all the hand holes are so poorly cared for that water is leaking from them all, and has corroded the shell considerably all around them. This is a case of general neglect and the absence of a suitable person to care for the boiler. If this boiler was cooled off and subjected to hydraulic test it would show defects about the top tube sheet and elsewhere. The boiler is not safe at the pressure carried, and the recommendation was to caulk the seams, tighten rivets, and reduce the pressure to 50 pounds.

In another place the boiler was of the Atlas portable type, and the head and sheet were flanged outward and the two sheets riveted together. There was some evidence of previous leakage at this joint, but it had corroded sufficiently to stop the leak. The engineer was so ignorant of the construction of his boiler that when this was pointed out to him he said it could not leak there, as the plate there was solid, and it was hard to convince him that two plates were riveted together here. This man called himself the engineer, but he knew almost nothing of what an engineer should know.

In another case two of the boilers were found defective, and upon having the matter pointed out to him the owner has removed the boilers and substituted one new and very superior boiler. This battery had four boilers. Two of the boilers were found in good shape, but the other two were defective. They were very old boilers, and the engineer in charge, a competent person, had called the attention of the proprietor to them, but as they were covered with brick no thorough inspection had been given them, or could be given until the shell was exposed. This the owner decided to do, and at the time of the inspection there was present the engineer, a boiler-maker and myself. The first boiler showed a considerable amount of corrosion along several of the seams, and corrosion sufficient to make the boiler dangerous had it continued unknown. The shell of the boiler had been burned and patched, and on top one of the plates was laminated to such an extent that the iron could be peeled off with a cold chisel and hammer, the lamination taking half the thickness of the plate. The boiler-maker thought this boiler could be repaired at some expense and still be used at low pressure. My opinion was that the boiler was unfit for further use, even if repaired. The fact that the boiler had been burned and patched left no assurance as to the strength of the remaining plate, and the lamination found was a defect in the original plate that was as liable to be found in other sheets of the boiler as in this one. The second boiler was found in very bad shape, positively dangerous, yet the boiler-maker was prepared to fix it. Scratching the corrosion away along one of the seams, it did not take long to scratch a hole through the plate. This corrosion extended, of various depths, almost half way around the boiler, and was found to exist at all the seams, although not to such an extent as at this one. This boiler had been burned a number of times, and had a large number of patches upon it. Many of the tubes had split and had been ferruled or thimbled, or entirely plugged up. The boiler-maker said this boiler ought to be taken out, although he was

ready to fix it if the owner said so; but the other boiler he thought could be made tight and safe at a low pressure by a few patches at places he designated. My opinion was that neither boiler was nor could be made safe with any proper margin of safety. The proprietor has removed, as stated, both boilers.

The ominous feature of this case is, that such a dangerous condition of affairs actually existed with 75 to 100 persons within a radius of 75 feet. It showed conclusively that the boilers had not been thoroughly inspected for a very long time, or some of this corrosion would have been discovered, or else it has been known and disregarded. From the inquiries I made, I concluded it was lack of inspection and an arrangement of the setting that prevented efficient inspection. The engineer is a competent man, and has doubted these boilers, from such inspection as he was able to make, and, in my opinion, his carefulness had much to do with preventing the boilers doing damage. No insurance company would insure such boilers as these were, and they could have no inspection, except what the engineer gave them, and engineers are usually hampered in many ways from making such an efficient inspection as the employer thinks might develop serious defects. In talking the matter over with the owner, he defended himself on the ground that "we must all run risks," yet it is hardly fair to run risks without judgment. It is one thing to run risks with a knowledge of the risk, and another to run risks not knowing the magnitude of the risk. It seems to me that the duty of an employer is to not force his employees into running risks that imperil their lives, as these defective boilers undoubtedly did.

In another place a boiler was found in very bad condition. The boiler is an old one, and had been subjected to hard usage. The most serious defect was that the dry sheet of the boiler had been burned clear to the rivets, and these rivets, so far as could be seen, were also pretty well burned off, and the boiler at this place must have only a portion of its original strength, and a small portion. An attempt had been made to protect the rivets from further injury by placing a sheet of iron over them and cementing at the side nearest the fire, but this cement had nearly all dropped out, leaving the weakened spot still exposed to the action of the fire. This boiler is very seldom given an internal inspection. The blow-off was leaking badly; the boiler was not provided with a fusible plug; there was considerable corrosion on tubes and heads; some of the tube ends have been burned off; most of the tubes are leaking, or have been leaking and tightened by corrosion; the fire sheets have been burned at times and repaired by patching; the hand-holes have been leaking and the plate below the hand-hole at

front head is reduced by corrosion in places to not more than a thickness of one-eighth of an inch. The recommendation in this case was that the boiler be removed. This plant has also two other boilers. Neither of them was provided with a fusible plug and the general condition of one of them was very poor. One of these boilers was provided with an external furnace, in which the fuel was burned, and then allowed to pass under the boilers, striking the shell very near to the front head. The two other boilers had been provided with this external furnace, and its effects are to be seen in the poor condition of the first sheet and its rivets. These boilers were in the basement of a mill, and directly over them a large number of men and girls were working. The whole cellar in front of the boilers was found filled with shavings, with no wall between the boilers and this large pile of inflammable material. A slight accident to these boilers could easily be sufficient to do considerable damage and add the horrors of fire to any boiler accident. When the attention of this proprietor was called to the matter he replied that he was the only one who had anything to lose; if the boilers exploded it would be his loss. Fusible plugs have been put in, but no other recommendations followed.

In another place, where the blow-off pipe is placed in the front head, it appeared that the water had been very bad and the bottom blow-off very frequently became clogged up with dirt and burned out. This is no reason for the change, as it indicated that the boilers were very seldom blown off, and when this was done the accumulation of dirt was so much that it stopped up the blow-off pipe.

In another place near this establishment was a boiler beneath a shop in which a large number of people were working. It was some time before I could find out who the engineer was or where he was. The proprietor showed me the boiler, first saying he was engineer. After some time a man running a machine in an adjoining room was brought out as the engineer, but some inquiries of him showed that he did not know much about the boiler. Between them both, I learned that the boiler had been frequently allowed to run with water so low that the fusible plug would melt out, indicating the attention it received. The boiler was built originally for heating only, but is now being run at fifty pounds pressure. One tube is split.

In one place steam is supplied from three locomotive-type fire-box boilers. These boilers are twenty years of age. Two of the boilers were leaking at the mud-drum and at each of the four corners of the fire-box. The rivets were rusted away considerably in places. There was considerable corrosion of water-leg at the

grate line, and in some places this corrosion was quite deep. A number of the stay-bolts were leaking. The exhaust steam from the engine returned to a tank and was then pumped into the boiler. An attempt was made to prevent the oil in the exhaust steam getting into the boiler, but with little success. A pipe had been run to the bottom of the tank. This was the suction pipe to the pump, and it was so fixed that it would draw air when the water was within a foot of the bottom of the tank, the supposition being that when the pump commenced to take air instead of water the oil floating on the top of the water would not enter the pump. Oil, however, did get into the boilers, and its mixture with the dirt in the boiler probably caused so much leakage around the water-leg. The corrosion of the water-leg was due to careless attendance. When the boilers were laid off, as frequently happened, the ashes were not cleaned from the grate bars. Moisture would collect in these ashes and the inevitable result is corrosion; but the engineer had not realized there was any danger in not removing the ashes. A general overhauling and repair of the boilers was recommended.

Cases were very frequent where the "engineer" did not even know the name of the engine he was running, and did not pretend to know anything about the boiler. From one of the boilers the water was leaking very freely from a poor attempt at a hard patch that had been put on by a local machinist where the plate had been burned and cracked. In another case, near by, nine of the tubes were leaking and the general appearance very bad. The engineer could tell nothing of the condition of the boilers, as he did not know anything about them. There was no water-glass on either boiler and the gauge-cocks were in very bad shape. Probably an internal inspection of these boilers would show them to have other defects. They have had no internal inspection for years. In another case, where the engineer had no right to that appellation, the safety-valve was so twisted and bent that it could not be operated, and other defects were noted and changes recommended. In still another of these cases nearly every tube in the back head of the boiler was leaking badly. The man in charge knew of it, but had never said anything about it to any one.

In the city of Lawrence the custom prevails of giving one janitor the charge of three boilers in different schools, these schools being a long distance apart. It was therefore very difficult to find these janitors, and only one was found at the school. In all the other cases in this city the janitors were at the other schools in their charge at the time of inspection. The method of the janitors seems to be to put plenty of coal on the fire and

leave everything until he gets around again. It had been the experience of the only janitor having three buildings that I saw that his boiler had been emptied at one time in his absence, and from other sources I learned that others had this same experience, in the case of one boiler, a number of times. Very little will cause this to happen, and when it does it should have some one around to look after things in time.

In another city the boilers were, many of them, not provided with fusible plugs, as required by law, and the reason they were not so provided was because it was very possible that low water would be a common occurrence and the relieving of the safety-plug might frighten the scholars. Some of the boilers in school-houses are obviously too small to do sufficient heating without forcing the fires, and in these cases the opportunity of burning the boiler is very good, particularly when the janitor is away and the teachers shutting off and turning on different radiators. Where the janitor is in the building he has found by experience that the handling of the radiators by teachers has been the cause of trouble, and has been obliged to ask that the teachers shall not open or close the valves. But in places where the janitor is away for hours, journeying to and looking after other schools, this cannot be done; but the same trouble will come by the teachers handling the radiators with the janitor away as was found when he was present to see the results.

As a general rule the janitors in schools were found not to have had any experience at the time they became janitors. Many of them have obtained some knowledge by experience, while others have not had their experience yet, and questions asked them show that they have no idea as to what this trouble is going to be. Many of them cannot point out a single way that water can be drawn from their boiler under any other condition than blowing it out of the blow-off pipe. The experience of one janitor who does know is but a duplicate of the experience of others. This school held about 500 pupils. The first trouble came at night, just as an evening school was opening its session. He had forgotten about his supply-valve and had filled the boiler to overflowing and up into the radiators. When this was discovered he opened the blow-off to blow out the surplus water, and as this was an uncommon occurrence, forgot he had done so, and left the school until the session should be over. When he returned at 9 o'clock he "could smell the burning iron," was the way he put it. Every drop of the water had gone from the boiler, with a hot fire on and children in school over it. He drew his fires and waited until after 12 o'clock before he put in water, and he was rejoiced to find

that the boiler showed no signs of leaking and the incident was never mentioned. His next experience was this :

One day he noticed on entering the room that all the water had gone from the glass, and whether entirely gone from the boiler he could not say. Upon looking around he found the steam-valve had been closed, shutting off the supply from the house, and a neglected check-valve had allowed the water to be forced, by the pressure in the boiler, out through the returns into the radiators, and the water was in the radiators instead of the boiler.

The experience of another janitor is a very common one. "The lowest bidder" puts in very cheap valves sometimes. It came up warm while he was off at some other school and the teachers closed the radiators, closing both valves; but the steam-valves leaked, consequently the steam condensed in the radiators, and the returns being closed also, but happening to be tighter, the water was prevented from returning. In this case the master of the school smelled something burning, went into the cellar and found it was the boiler. School was dismissed and the janitor sent for, the master covering the fire with ashes meanwhile, and when the janitor arrived he found no water in the boiler; he opened all the radiators and the water soon came in sight. It was some time, however, before he found out how it happened. Other cases could be cited, all of them showing that these janitors obtained, and others are going to obtain, their knowledge of what may happen to a boiler by experience obtained running a boiler with a school full of children overhead. They ought to know these things before being allowed to take charge of the boiler.

Some attention seems to be needed concerning hotel boilers. The engineers in charge of them are very poor in very many cases, and in many cases are no more than firemen with a janitor over them, the janitor pretending to know, but in reality knowing nothing of the proper inspection of the boilers or engines. In a large hotel in this city an external inspection only showed a considerable amount of paint and bright work about those portions of the boiler and pumps that could be seen, yet two of the boilers had inoperative safety-valves. It is commendable to have a neat-looking boiler-room, but it is more commendable for a hotel to have some one about the place who knows something about the inside of the boilers. On one boiler the safety-valve was found with the ball at the extreme end of the lever, and in addition two heavy iron weights hung on the lever as well. The boiler besides had the lever so twisted and bent as to render the safety-valve useless in case of emergency.

In another hotel a large number of defects were found about the boiler that should have been looked after ; but the worst one was a safety-valve outlet pipe out of doors and a valve on the end of this outlet closed. Thus this safety-valve was absolutely useless. I asked this engineer what that valve was on the safety-valve outlet for, and he replied there was none there, and appeared very much surprised when it was pointed out to him. Yet he had been around that boiler, day in and day out, for three months and never discovered that valve or even gave his safety-valve a moment's thought all that time.

In another hotel on the principal street I found 60 pounds of steam on, but *no engineer*. After a wait of 15 minutes a search found him sitting in a back yard, smoking. The boiler was in pretty bad shape, the dry sheet having been nearly burned off and the fire coming directly up into the up-take and exposing all the dry rivets at this point to the fierce heat of the fire. This was a bad condition of affairs, but the whole appearance of the plant was of the same neglectful order. The various pipes leading to the boiler were badly corroded ; the tin covering on the ceiling overhead had fallen down and was resting on the boiler or propped up over the safety-valve with loose sticks ; the back connection was so filled with dirt that it was impossible to see how the back head looked and the engineer could tell nothing of its condition, not even if it was provided with a fusible plug. In examining this engineer, I asked him to point out the blow-off valve. He pointed to the valve draining the water column. "I don't mean that," I replied ; "if you were obliged to quickly blow the water out of this boiler, where would you blow it from?" He pointed again to the water column and said he could not see any other place but that. Then I pointed to the blow-off pipe provided for this very purpose and asked him where that led to, and he replied that he hadn't traced out that pipe yet. That was a sample of his knowledge, yet there was a large hotel overhead with its occupants depending upon such knowledge as this for their safety.

A source of danger is apparent from the use of portable boilers in charge of incompetent men. These boilers are subjected to severer usage than if stationary. They are obliged to use such water as is available at the spot they are located, and these places are in many cases isolated from a good water supply. That available is often very dirty ; in cases it is filled with lime and similar deposits, and often contains gases and acids that are very injurious to the life of the boiler. Such boilers need competent men, and men who understand what effect the different waters will have on the strength of boilers and how they should be treated. Instead

of this I find them very frequently in charge of boys or men utterly incompetent. In one case the engineer was a boy who had been put on to run the boiler and engine with no experience whatever. He had been at it then nearly two months, but had done nothing whatever but shovel in coal and pump in water. This boiler was drawn up close to a house in Melrose. A number of the rivets were leaking badly; the different hand-holes were also leaking and corroding the shell where they leaked; the blow-off pipe was plugged, and the various union joints about the boiler were dropping water upon the boiler shell. Frequent inspection and careful attendance this boiler should have. It received no inspection and the service of any boy who happened to be available.

INSPECTION OF BOILERS.

Summary of Reports.

Number of Boilers Inspected, 171		
DEFECTS FOUND.	Total Number.	Dangerous.
Defective settings,	16	2
Defective safety-valves,	13	6
Defective water blow-off,	35	18
Defective braces,	19	
Defective feed arrangements,	5	1
Defective water columns,	13	-
Defective steam connections,	8	-
Without safety fusible plug,	43	43
Without suitable inspection,	57	-
Without safety-valve,	1	1
Without water-glass,	8	-
Without water-gauges,	1	-
Safety-valves overloaded,	11	11
Water-gauges inoperative,	5	-
Leaky seams,	16	-
Dry sheet burned,	9	7
External corrosion,	52	6
Internal corrosion,	11	2
Leaky tubes,	57	-
Cracks on boiler shell,	2	2
Cracks on heads,	9	-
Blisters on plates,	7	4
Patched plates,	28	-
Pitting,	11	2
Boilers with defective rivets,	14	4
Scale considerably,	16	-
Miscellaneous,	19	5
Total,	486	114

The Commonwealth of Massachusetts early in the history of her legislation recognized the necessity of protecting the working people employed in manufacturing and mechanical establishments from the dangers to which they are exposed by unprotected machinery. Other laws providing for the proper ventilation of work-rooms, adequate means of egress from buildings where operatives are employed, and looking to and providing for the safety and comfort of the industrial classes throughout the State, were subsequently enacted.

But there was one link absent which, if inserted in the chain, would make our system of factory inspection as nearly perfect as legislation could provide, and satisfy the work people that the Commonwealth is doing everything in its power to provide for them healthful work-rooms, and to secure safety to life and limb. This missing link in our factory-inspection laws is that of boiler inspection and the proper supervision over those in charge of them.

The safety of the public requires this safeguard. It is not necessary to create a separate department of inspection for this work. The appointment of additional inspectors competent to perform the duties of boiler inspection would be all that is required. I cannot too earnestly recommend the enactment of a law providing for the inspection of uninsured steam boilers, and the licensing of all persons in charge thereof.

VENTILATION AND OTHER SANITARY PROVISIONS IN FACTORIES, WORKSHOPS, SCHOOL-HOUSES AND PUBLIC BUILDINGS.

Perhaps if a complete code of so-called labor legislation had been formulated at the time when the Commonwealth inaugurated its policy for the protection of those employed in textile and other similar pursuits, ventilation and other sanitary provisions might have been almost, if not entirely, overlooked.

Of course it has always been known that there were great evils in that direction to be remedied, and it has also been considered that something ought to be done to provide suitable accommodations for the comfort and health of the

working people, whose surroundings were certainly susceptible of improvement.

Scientific investigation, however, within a few years, has been actively directed towards the discovery of the actual condition of workers in our manufacturing and similar establishments; and the disclosures that have been made have resulted in legislation which seeks to correct at least the most glaring evils.

The duty of the State to interfere in behalf of the working classes (using this phrase in its popular sense) had often been disputed.

Given the opportunity to labor and the removal of such restrictions as may properly be considered within the province of government, what further concern, it has been asked, have the constituted authorities with the comfort, health and general welfare of the laboring classes?

The Legislature of Massachusetts has never allowed theoretical objections to stand in the way of such factory legislation as careful investigation has shown to be essential to the welfare of the operative. Only in recent years has the supreme importance of sanitary science been recognized. To be sure, medical men have long insisted upon the necessity of suitable ventilation in the houses of the people. And sanitary science has shown the dangers of bad air, imperfect drainage and other sources of disease and death.

But it seemed to be tacitly conceded that workshops, factories, school-houses and public buildings generally were beyond the scope of sanitary protection. Good air in a factory almost seemed to be an unattainable luxury; dust, heat and foul odors were apparently regarded as necessary evils in workshops and like establishments. The dense, stifling atmosphere which was once endured in school-houses seemed to be inseparable from masses of children. Occasionally some crude attempts were made to remedy the most of the evils, but people worked in the dark and were more inclined to accept the situation than to put forth efforts to change it. Sanitary appliances in public buildings were public nuisances; but when the facts in some of the more conspicuous cases were brought to public attention by the newspapers, discussed in conventions by the people, and

submitted to the Legislature, the most approved ideas of sanitary science were incorporated into statutes the vigorous enforcement of which has already produced in this Commonwealth changes which are scarcely yet appreciated.

Until within a few years there was absolutely no attempt at ventilation anywhere in our school-rooms, unless by the crude and senseless method of opening doors and windows occasionally. This meant the sudden inflow of cold air, instantly lowering the temperature, and in some instances doing more harm than good.

To educate the public concerning the correct principle of ventilation, drainage and similar matters has been a laborious and somewhat discouraging task. It has been necessary to stem the tide of indifference and to arouse the sense of responsibility. Evils that are palpable to the senses, that thrust themselves upon our notice, and whose results are immediate, it is natural to suppose would challenge prompt and vigorous resistance. The history of the movement to secure scientific ventilation and drainage by legislation show, however, that not until recently have suitable efforts been made to secure and maintain the public health by sanitary laws, rigidly enforced.

It is gratifying to be able to state that no appeals have been made during the past year by school authorities from orders issued by this department for better ventilation and sanitary provisions in school buildings. The school boards throughout the State have acted with commendable promptness in their endeavors to secure an abundance of pure air for the children while in school.

The following is a list of some of the school buildings which have been provided with systems of ventilation under the requirements of chapter 149, Acts of 1888, and the cubic feet of air supply and exhaust per minute per pupil, estimating on the basis of forty-five per room, which is found to be the average of attendance in the school-rooms visited : —

Towns.	Name of School.	Number of Rooms.	Supply. (Cubic ft. per min.)	Exhaust. (Cubic ft. per min.)
Adams, . . .	Renfrew, . . .	8 and hall,	27	24
	High, . . .	5 and office,	33	26 $\frac{1}{2}$
	Maple Grove, . . .	2, . . .	35	37 $\frac{1}{2}$
Amherst, . . .	Amity Latin, . . .	4 and office,	31	34
Buckland, . . .	Falls Village, . . .	4, . . .	29	24
Charlemont, . . .	Village, . . .	2, . . .	27	29
Chicopee, . . .	High, . . .	6, . . .	27	33
Dalton, . . .	Centre Private, . . .	2, . . .	30	33
	Craneville, . . .	2, . . .	28	30
	New High, . . .	8, . . .	47	43
Deerfield, . . .	Green River, . . .	4, . . .	41	43
Great Barrington, . . .	High, . . .	4, . . .	27	28 $\frac{1}{2}$
	Bryant, . . .	6, . . .	28	30
	Housatonic, . . .	6, . . .	25	27
Greenfield, . . .	Union Street, . . .	2, . . .	23	20
	Chapman, . . .	4, . . .	24	30
	Main, . . .	4, . . .	23	26
Holyoke, . . .	Appleton, . . .	12, . . .	36 $\frac{1}{2}$	49 $\frac{1}{2}$
	Morning Side, . . .	2, . . .	37	50
Huntington, . . .	New Village, . . .	6, . . .	29	33
Lee, . . .	Fern Cliff, . . .	2, . . .	23	25
	Centre Private, . . .	2, . . .	28	31
	South Village, . . .	3, . . .	25	28
Lenox, . . .	High, . . .	4, . . .	29	33
	Old Academy, . . .	3, . . .	29	32
Montague, . . .	Oakman, . . .	4, . . .	28	32
	Light Street (old), . . .	4, . . .	26	30
	Light Street (new), . . .	4, . . .	28	31
	Miller's Falls, . . .	2, . . .	26	27
Monson, . . .	No. 1, . . .	3, . . .	31	33 $\frac{1}{2}$
North Adams, . . .	Drury Academy, . . .	20 and hall,	30	31 $\frac{1}{2}$
	Church Street, . . .	8 and hall,	29	32
	Blackinton, . . .	6 and hall,	27	29
	State Street, . . .	4, . . .	36	39
	Greylock, . . .	2, . . .	25	28
	Breytonville, . . .	2, . . .	32	35
Northampton, . . .	High, . . .	14, . . .	35	24
	Centre Street, . . .	4, . . .	31	34
	Bridge Street, . . .	6, . . .	33	37
Orange, . . .	Chase Street, . . .	4, . . .	38 $\frac{1}{2}$	34 $\frac{1}{2}$
Pittsfield, . . .	High, . . .	6, . . .	37	35
	Morning Side, . . .	8, . . .	31	24
	Orchard Street, . . .	4, . . .	27	32
	Stearnsville, . . .	4, . . .	26	29
Palmer, . . .	Three Rivers, . . .	6, . . .	27	29
	Bondville, . . .	6, . . .	27	31
Stockbridge, . . .	Glendale, . . .	2, . . .	25	29
	High, . . .	6, . . .	33	29
	Curtinsville, . . .	2, . . .	26	28
Shelburne, . . .	Village, . . .	4, . . .	29	28
Sunderland, . . .	Village, . . .	3 and hall,	32	31
South Hadley, . . .	Falls, . . .	11, . . .	31	34
	Main Street, . . .	1, . . .	26	29
Williamstown, . . .	Station, . . .	2, . . .	23	26
West Springfield, . . .	Mittineague, . . .	6, . . .	36	33

Towns.	Name of Building.	Number of Rooms.	Supply. (Cubic feet per minute.)	Exhaust. (Cubic feet per minute.)
Abington, . . .	High School Building, . . .	1	25	32
Brockton, . . .	Howard School-house, . . .	6	34	45
	Union Street School-house, . . .	8	33	43
Chelsen, . . .	Carter School-house, . . .	14	34	43
	Williams School house, . . .	14	32	37
	Bloomington School-house, . . .	4	30	38
	Broadway School-house, . . .	4	28	29
Cohasset, . . .	Osgood School-house, . . .	8	31	38
Hingham, . . .	High School house, . . .	1	22	23
Kingston, . . .	High School Building, . . .	2	31	34
Middleborough, . . .	School Street School-house, . . .	4	29	32
Revere, . . .	Beachmont School-house, . . .	4	25	29
	New Beachmont School-house, . . .	4	31	30
	Malden Street School-house, . . .	2	22	21
	Winthrop Avenue School-house, . . .	7	29	31
Scituate, . . .	East Grammar School-house, . . .	1	29	25
Wareham, . . .	High School Building, . . .	1	31	40
	No. 4 School-house, . . .	3	45	42
Weymouth, . . .	Franklin School-house, . . .	3	30	31
	Athens School house, . . .	4	28	28
Whitman, . . .	Pleasant Street School-house, . . .	4	35	32
Winthrop, . . .	Winthrop Beach School-house, . . .	4	34	33

Towns.	Name of School.	Number of Rooms.	Supply. (Cubic feet per minute.)	Exhaust. (Cubic feet per minute.)
Ayer, . . .	Shirley Street, . . .	2	18	36
	Washington, . . .	4	32	38
Bedford, . . .	Centre, . . .	4	30	28
Billerica, . . .	Asa Pollard, . . .	4	29	33
Cambridge, . . .	Peabody, . . .	6	32	33
	Putnam, . . .	12	36	28
	Morse, . . .	12	19	29
	Latin, . . .	12	36	39
Chelmsford, . . .	District 8, . . .	1	31	30
Concord, . . .	Emerson, . . .	8	24	25
Danvers, . . .	Maple Street, . . .	6	18	28
Essex, . . .	High, . . .	3	26	33
Groton, . . .	High, . . .	3	24	31
Haverhill, . . .	Burnham, . . .	8	28	27
	Tilton, . . .	8	34	33
Lexington, . . .	Hancock, . . .	8	32	34
Lynn, . . .	Centre Street, . . .	6	51	50
Lowell, . . .	Highland, . . .	4	33	30
	Cross Street, . . .	4	25	29
	Cabot Street, . . .	4	32	26
	Franklin, . . .	8	40	27
	Edson, . . .	10	45	25
	Varnum, . . .	4	21	26
Medford, . . .	Brooks, . . .	4	22	28
Malden, . . .	Cherry Street, . . .	4	33	36
Manchester, . . .	Priest, . . .	4	27	38
Somerville, . . .	O. S. Knap, . . .	8	31	32
	Forster, . . .	12	28	32
	Morse, . . .	12	35	31
	Highland, . . .	12	48	37
	J. T. Glines, . . .	5	29	30
	C. G. Pope, . . .	12	37	38
Melrose, . . .	Grove Street, . . .	8	28	35
	M. A. Livermore, . . .	4	28	37
Tyngsborough, . . .	Tyngsboro', . . .	3	20	20
Wakefield, . . .	Franklin, . . .	3	27	31
	Lincoln, . . .	8	43	46
Woburn, . . .	Highland, . . .	4	30	29
Westford, . . .	Forge Village, . . .	2	21	23
Winchester, . . .	Rumford, . . .	4	27	35
	Gifford, . . .	4	34	39

CITY OR TOWNS.	Name of Building.	Number of School-rooms.	Cubic Feet of Air Supplied at In-let.	Cubic Feet of Air taken out at Outlet.
Abington, . . .	Adams School,	4	20	10
Braintree, . . .	Monatiquot School,	8	33	61
Brookline, . . .	Lawrence School,	5	37	35
Brookton, . . .	Marshal School,	2	36	41
	Copeland School,	4	23	34
Easton,	No. 2 School,	2	27	35
East Bridgewater, . . .	High School,	3	20	33
Fall River, . . .	Cambridge School,	4	38	47
Foxborough, . . .	Centre School,	7	52	67
Franklin,	Nason Street Schools (2 build- ings),	4	27	31
	Centre School,	4	30	46
	High School,	4	52	69
Framingham, . . .	South Grammar School,	4	22	27
	Hollis Street School,	4	34	52
Holbrook,	Sumner School,	4	42	54
Hudson,	Myrtle Avenue School,	4	23	38
Mansfield,	Centre School,	8	29	32
Marlborough, . . .	Bigelow School,	9	23	24
Maynard,	New School,	12	30	48
Milford,	Park Grammar School,	4	22	34
	South Grammar School,	4	22	30
Natick,	Cochituate School,	6	37	40
	Centre School,	12	31	32
Newton,	Waban School,	4	32	32
	Old Claflin School,	6	25	34
	New Claflin School,	6	22	27
	Underwood School,	4	50	35
North Attleboro', . .	Mount Hope School,	4	25	38
Norwell,	High School,	2	22	26
Norwood,	North School,	2	33	31
	High School,	1	27	17
	Guild School,	4	35	46
	West School,	2	31	35
New Bedford, . . .	I. W. Benjamin School,	11	47	32
	Cedar Grove Street School,	13	27	30
Sharon,	Centre School,	4	24	30
Southborough, . . .	Centre School,	1	20	28
Stoughton,	Capen School,	2	27	34
	Drake School,	6	31	33
	High School,	5	46	44
Walpole,	Centre School,	7	44	51
Wellesley,	Shaw School,	4	31	27
Weymouth,	High School,	2	41	46
Wrentham,	Center School,	3	29	37
Millbury,	Burbank School,	5	33	27 $\frac{8}{10}$
	Centre School,	4	21 $\frac{6}{10}$	18
Fitchburg,	Day Street School,	11	32 $\frac{3}{10}$	27 $\frac{4}{10}$
	Goodrich Street School,	8	31 $\frac{1}{10}$	29 $\frac{8}{10}$
	Laurel Street School,	6	—*	—*

* Not tested.

CITY OR TOWN.	Name of Building.	Number of School-rooms.	Cubic Feet of Air Supplied at Inlet.	Cubic Feet of Air taken out at Outlet.
Fitchburg, . .	West Fitchburg School, . .	4	26	25 $\frac{7}{8}$
	Clarendon School, . .	4	28 $\frac{1}{10}$	29
Uxbridge, . .	High School, . .	5	24 $\frac{5}{10}$	29 $\frac{9}{10}$
Northborough, . .	Factory Village School, . .	2	30 $\frac{2}{10}$	26 $\frac{1}{10}$
Winchendon, . .	Brick School, . .	4	37 $\frac{1}{2}$	35 $\frac{7}{10}$
Holden, . .	Jeffersonville School, . .	6	31 $\frac{1}{2}$	28 $\frac{1}{10}$
Gardner, . .	Knowlton Street School, . .	4	30 $\frac{3}{10}$	29 $\frac{1}{5}$
	Pleasant Street School, . .	4	28 $\frac{5}{10}$	30 $\frac{1}{10}$
Leominster, . .	High School, . .	7	30	33 $\frac{5}{10}$
Athol, . .	High School, . .	6	32 $\frac{1}{2}$	29 $\frac{7}{10}$
	Lower Town School, . .	4	46 $\frac{2}{3}$	32 $\frac{5}{6}$
	Upper Village School, . .	4	31	29 $\frac{3}{10}$
Northbridge, . .	High School, . .	6	27 $\frac{3}{10}$	29
Leicester, . .	Cherry Village School, . .	4	31	29 $\frac{3}{10}$
West Boylston, . .	High School, . .	2	21 $\frac{7}{10}$	34 $\frac{3}{10}$
Webster, . .	School Street School, . .	4	39 $\frac{1}{2}$	60 $\frac{4}{7}$
Worcester, . .	English High School, . .	26	36	32
	Classical School, . .	—*	—*	—*
	Dix School, . .	12	28	29 $\frac{3}{10}$
	Salisbury Street School, . .	10	29	33 $\frac{7}{10}$
	Oxford School, . .	8	12	18 $\frac{1}{2}$
	Webster Square School, . .	4	—*	—*
	Woodland Street School, . .	13	27 $\frac{7}{10}$	38 $\frac{1}{10}$
	Downing Street School, . .	12	33 $\frac{1}{10}$	29 $\frac{3}{10}$
	Edgeworth Street School, . .	12	34	38 $\frac{3}{5}$
	Belmont Street School, . .	18	27	26 $\frac{3}{10}$
	Ledge Street (new) School, . .	6	29	24 $\frac{1}{10}$
	Providence Street School, . .	8	—*	—*
	Salem Street School, . .	4	35	26 $\frac{7}{10}$
	Sycamore Street School, . .	8	26	40 $\frac{1}{2}$
	Cambridge Street School, . .	8	28 $\frac{3}{10}$	31
	Holmes Street School, . .	8	31	29 $\frac{1}{10}$
	Millbury Street School, . .	4	27	29 $\frac{7}{10}$
	Quinsigamond (old) School, . .	8	28 $\frac{3}{10}$	27
	Quinsigamond (new) School, . .	4	34 $\frac{1}{3}$	33 $\frac{1}{2}$
	Grafton Street School, . .	8	26 $\frac{1}{10}$	28
	Canterbury Street School, . .	12	34 $\frac{1}{10}$	26 $\frac{3}{10}$
	Larmatine Street School, . .	12	39 $\frac{9}{10}$	29 $\frac{9}{10}$
	Ash Street School, . .	6	33 $\frac{1}{5}$	21
	Union Hill School, . .	4	—†	—†
	Greendale School, . .	—†	—†	—†
	Elizabeth Street School, . .	8	—†	—†

Total number of cities and towns,	117
Total number of school buildings,	209
Total number of rooms,	1,131
Average air supply per pupil per minute (feet),	30
Average exhaust per pupil per minute (feet),	33

* Not tested.

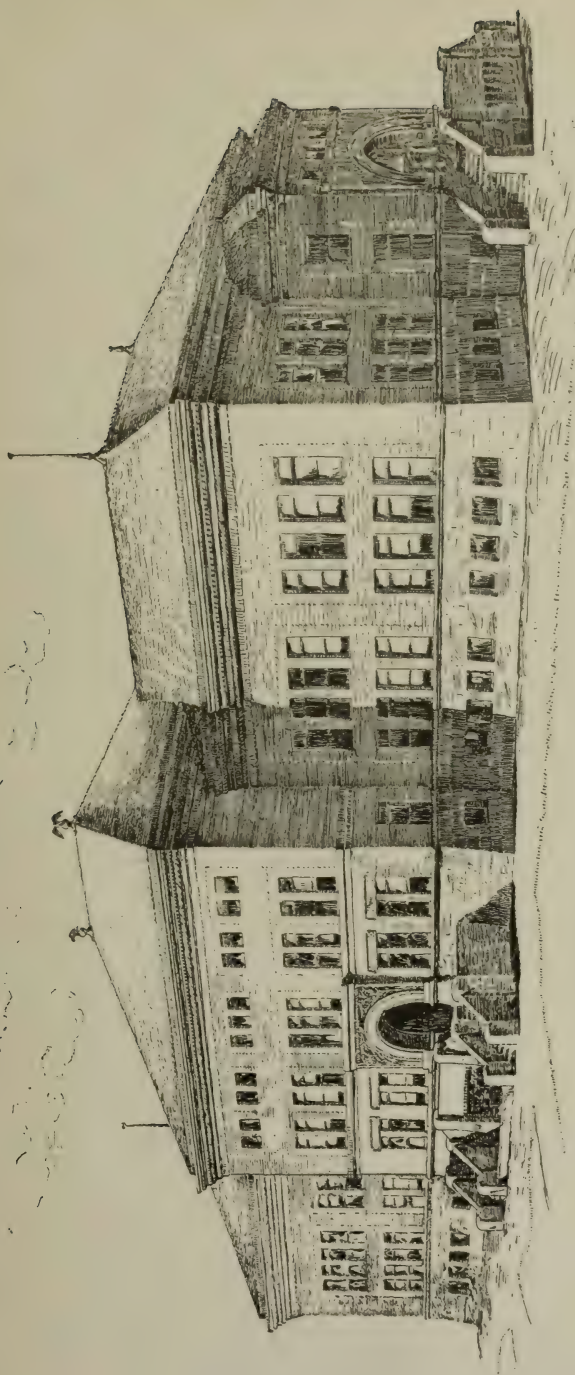
† Not completed.

The following plans or methods or systems of ventilation, designed by the inspectors detailed for this important work, give useful and practical information on this subject of universal interest. Their long experience and the exceptional opportunities afforded them have given this department facts that are worthy of adoption, and I respectfully call the attention of those interested in the best achievements in the art of ventilation to this portion of my report.

SYSTEM OF HEATING AND VENTILATION OF A FOURTEEN-ROOM SCHOOL-HOUSE BY MECHANICAL MEANS.

I renew my statement that I believe that the distinguishing excellence of any method of ventilation must consist in, and be in exact ratio to, its adaptiveness to meet the requirements in each case. Nor do I think it possible for any plan to succeed which does not include the architecture and situation of the building to be ventilated, its surroundings and the number of those who occupy it. In order to effect at once the most perfect heating and ventilation of any apartment it is necessary to introduce at a very low velocity and temperature a large volume of pure air, delivered at a point that will admit of complete circulation through all parts of the apartment, and then removal. Particular attention must be given to the position of the inlets and outlets. The apparatus used should be of such a type as to enable the person in charge to completely control the temperature at all seasons of the year and under all atmospheric conditions, without diminishing the supply of fresh air.

It will be seen by Plate 1 that ample provision has been made for the introduction of cold air. A large cold-air room, marked b b, is provided, and through large openings sufficient air is drawn into this room to supply the whole building. Fans by which the desired volume of air can be forced through a heater are also provided. Experience has demonstrated the fact that a series of coils of steam pipe is the most effectual and economical form of heater. The ducts are constructed of material which will present a smooth surface to the air, and the areas should be such as to allow the desired volume of air to pass at a low velocity, in order to diminish the friction. The ducts or passages, marked



• AN IDEAL HIGH SCHOOL BUILDING •

b b and c c on basement plan, should have a sectional area of at least 125 square feet; the two side chambers, marked g g, at least 75 square feet each; h h, 34 square feet; and the openings supplying heaters a a, 16 square feet. The above are the important areas, and are calculated to handle the air at a velocity of 750 feet per minute, which is about the best speed for the ducts leading to the individual heaters.

Heating Apparatus.

Two horizontal tubular boilers, brick-set and twin connected, valved and piped in such a manner as will allow the use of either one or both.

Twenty-eight thousand and thirty-eight lineal feet one-inch steam pipe, made up into coils and placed as shown upon Plate 1, and connected with the boilers by extra large steam mains and returns, laid out in such a manner as to give free circulation and allow the return of the water of condensation to the boilers by gravity alone. The amount of the radiation and the size of the boilers is such as to insure the required amount of heat under a very low steam pressure, probably never exceeding 20 pounds in the most severe climate. The amount of radiation is figured at 1 to 60; that is, 1 square foot of radiating surface to 60 cubic feet of space to be heated, excepting in the sanitariums, where it is figured 1 to 20, for reasons stated hereafter. As auxiliaries to be used in the event of an accident occurring, preventing the operation of the fans, means for direct radiation should be supplied in the school-rooms, hallways, auditorium and other rooms in general use in the building.

Four fans (see Plate 1, marked c c, and Plate 4, marked a d) for moving the air; some approved form of the propeller type, of such size that when revolving at a low speed each will have a capacity of not less than 90,000 cubic feet per minute when blowing into open space, and each fan provided with a steam, water or electric motor. The position of the fans, air passages and ducts will be seen by reference to Plates 1 and 4.

The following is a description of one branch of the apparatus, and will serve to show the general arrangement of the whole:—

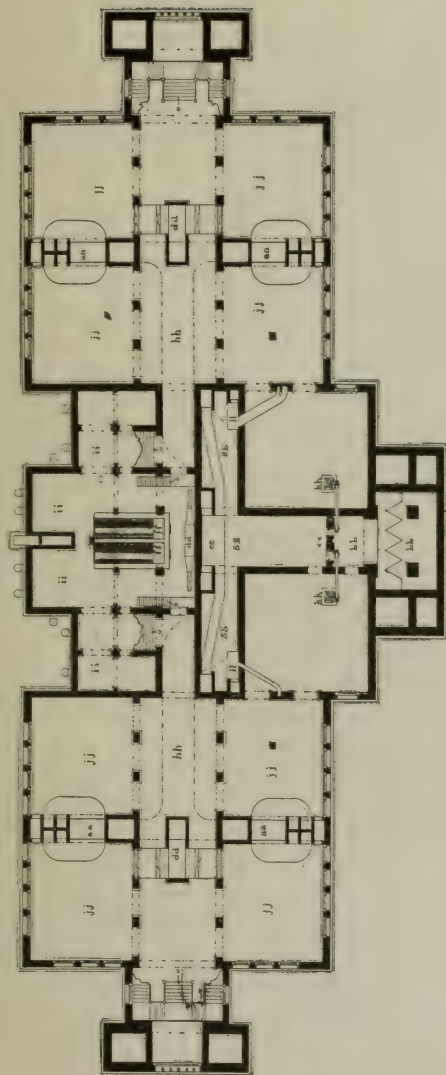
The fresh air, after being drawn through the filters and passed into the fresh-air chambers by means of the plenum fans, is conducted through a brick duct into the brick receiving chamber containing the heater (marked a a on Plate 1; also a sectional view is shown on Plate 6). This heater is to heat the air supply for four regular school-rooms (first-floor rooms, C and D; second-floor rooms, R and S). After passing through this heater, the air is conveyed into the brick ducts leading to the school-rooms by means of galvanized iron conduits (see Plates 1 and 6), each one supplied with a mixing damper which can be controlled from its respective room. The advantage to be gained by having a large number of isolated heaters is that any portion of the building may be cut off at will when not in use, thus effecting a considerable economy. For instance, there will be many days when the auditorium is not needed, at which time its heater can be shut off, leaving less surface presented for the condensation of steam, and consequently so much fuel saved. The main air ducts are also arranged so that any branch may be cut off or regulated at will.

Each school-room in this building is 35 by 30 by 14 feet high, equalling 14,700 feet cubic contents. Number of occupants to be 58, thus allowing 253.45 cubic feet of space to each. The fresh-air supply is 50 cubic feet per minute for each occupant, making 2,900 feet. This, to be delivered at a velocity of 400 feet per minute, will require a duct presenting an area of $7\frac{1}{4}$ square feet; 35 by 30 by 14 feet equals 14,700 feet, divided by 58 equals 253.45; 58 multiplied by 50 equals 2,900, divided by 400 equals $7\frac{1}{4}$.

Each room also has a foul-air duct the same size as the fresh duct, through which the foul air passes to the exhaust chamber in the top of the building, and is forced out by means of the exhaust fans when the room is in use. (See plates for illustration.) But at night the air from the room will be allowed to pass into the foul-air duct, and then will be deflected by means of a regulator so that it will pass back down into the receiving chamber containing the heater, a a, and thence back from the heater into the room (see Plate 6), making a return circulation of the air, which will maintain a moderate temperature in the rooms without the

PLAN OF BASEMENT.

SCALE OF FEET

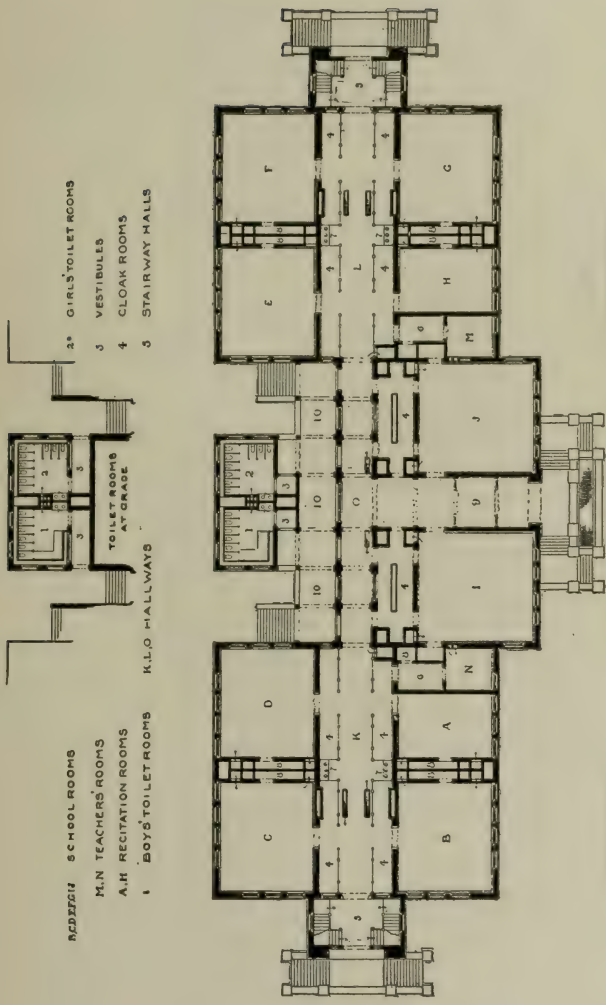


- aa SCHOOL ROOM HEATERS
- bb FRESH AIR ROOMS
- cc PLENUM PANS
- dd HALLWAY HEATERS
- ee AUDITORIUM HEATER
- ff BOILERS
- gg COLD AIR CHAMBERS
- hh AIR DUCTS UNDER FLOOR

- ii COAL ROOM
- jj PLAY ROOMS
- kk MOTORS
- ll HEATERS FOR SCHOOL & TEACHERS' ROOMS
- mm COILS OF STEAM PIPE
- nn HOT AIR
- oo FOUL AIR
- pp COLD AIR UNDER PRESSURE

PLAN OF FIRST FLOOR

SCALE OF FEET
0 10 20



3rd GIRLS' TOILET ROOMS
3 VESTIBULES
4 CLOAK ROOMS
3 STAIRWAY HALLS

SCHOOL ROOMS
M.N. TEACHERS' ROOMS
A.H. RECITATION ROOMS
1 BOYS' TOILET ROOMS
K.L.O. HALLWAYS


TOILET ROOMS
AT GRADE

10 OPEN PORCHES
— CURRENTS OF HOT AIR
— CURRENTS OF FOUL AIR
HOT AIR FOUL AIR

0 PASSAGEWAYS
7 LAVATORIES
0 CLOSETS
9 VESTIBULE

• PLATE • 3

• PLAN OF SECOND FLOOR •

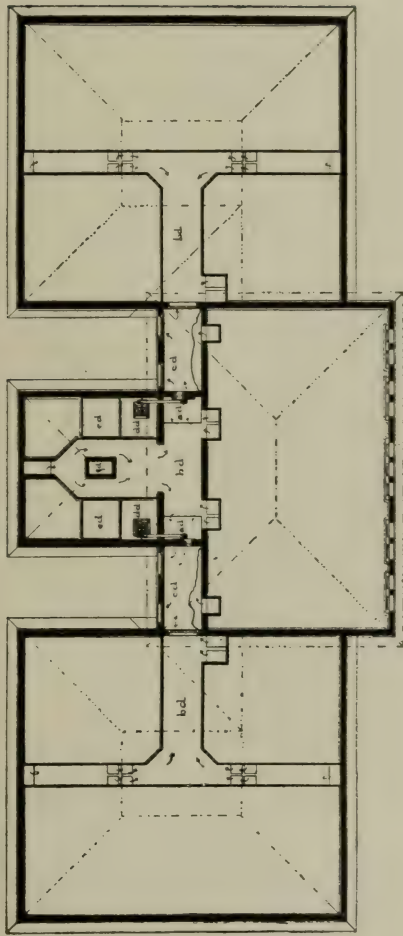
SCALE OF FEET




QRSTUV	SCHOOL ROOMS	4	PORCHES
PV	RECITATION ROOMS	5	ROOFS
X'	TEACHERS' TOILET ROOM	6	CLOAK ROOMS
Z, Z'	HALLWAYS	7	LAVATORIES
1	BOYS' TOILET ROOM	8	CLOSETS
2	GIRLS' TOILET ROOM	9	DRESSING ROOM
3	VESTIBULES	10	ALCOVE
	11	STAGE	

PLAN OF ATTIC.

SCALE OF FEET



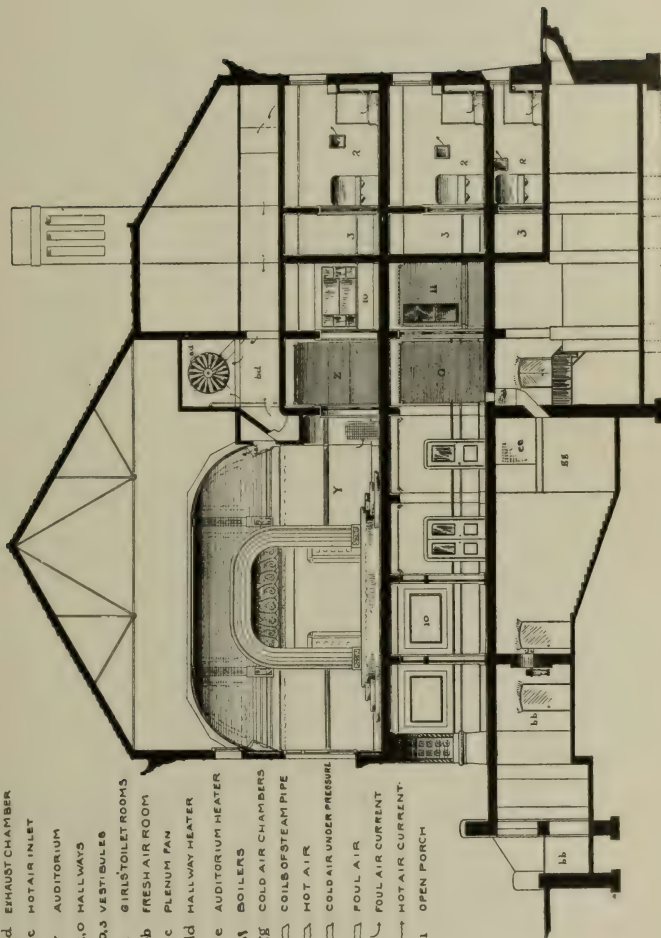
- ad EXHAUST FANS
- bd EXHAUST CHAMBERS
- cd FOUL AIR CHAMBERS OVER bd
- dd MOTORS
- ed WATER TANKS
- fd BOILER FLUE
- gd FOUL AIR
- CURRENTS OF FOUL AIR

TRANSVERSE SECTION

SCALE OF FEET

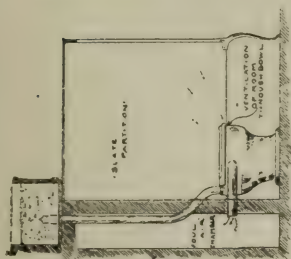


- ad EXHAUST FAN
- bd EXHAUST CHAMBER
- dc HOT AIR INLET
- Y AUDITORIUM
- z, o HALLWAYS
- 10, 3 VESTIBULES
- 2 GIRLS TOILET ROOMS
- bb FRESH AIR ROOM
- cc PLENUM FAN
- dd HALLWAY HEATER
- cc AUDITORIUM HEATER
- 11 BOILERS
- ss COLD AIR CHAMBERS
- co COILS OF STEAM PIPE
- co HOT AIR
- co COLD AIR UNDER PRESSURE
- co FOUL AIR
- co FOUL AIR CURRENT
- co HOT AIR CURRENT
- 11 OPEN PORCH

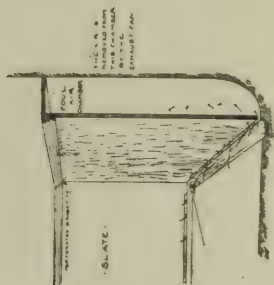
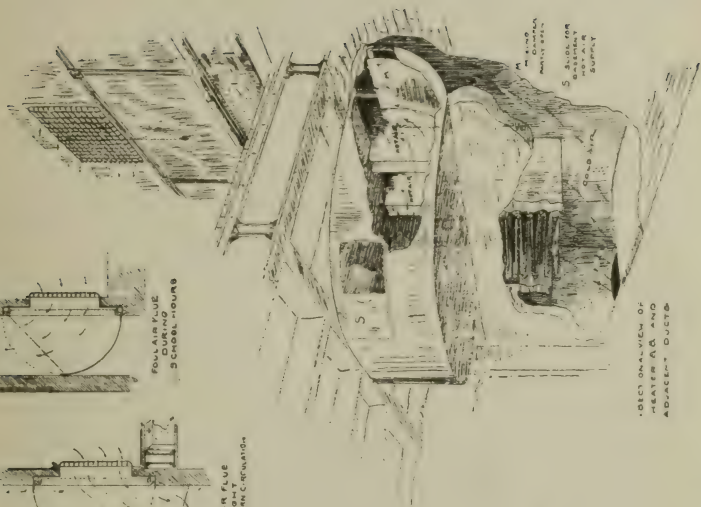
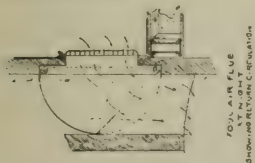
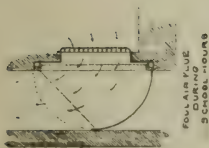


• PLATE • 6

DETAILS:



SECTIONAL / EN 38
WATERCLOSET & P.C. A.M.
CHAMBER

SECTIONAL VIEW OF URINAL
W/FOUR AIR CHAMBERS

use of the fans, thus dispensing with the necessity of any attendant, the fires simply being banked, and holding little or no steam pressure in the boilers. The areas of the openings from the hot-air duct and the foul-air duct into the room are fifteen per cent. greater than the areas of the ducts, so as to allow for the friction presented by the wire guards.

The heater, a a (Plates 1 and 6), consists of 308 one-inch steam pipes, 9 feet long, made up with headers and return bends in *two sections*, the lower section containing 350 square feet, the upper section 630 square feet, of radiating surface, piped and valved so that either one or both sections may be used, thus giving either 350, 630, or 980 square feet of radiating surface for use in warming the air, according as the outside temperature may require. Above the two outside rows of pipe in each side of the heater is placed a three-quarter-inch cold-water pipe, perforated with minute holes, and arranged so as to throw a fine spray upon the steam pipes, and thus supply the proper amount of moisture to the heated air. All of the regulated school-rooms, including the recitation-rooms, are cared for in the above manner.

The hallways (marked K, L, O, Z, Z¹, on Plates 2 and 3) throughout the building are provided with heaters of the same general construction (see Plates 1, 2 and 3, and d d on Plate 5), but not with mixing dampers; and the volume of air is introduced through large floor registers, which can be used as foot-warmers, and is such as will insure a complete change of all the air in the hallways once in ten minutes.

The teachers' rooms, on the first floor, are supplied with both cold and hot air, regulated by mixing dampers, and in such a volume as to change the air in the room once in ten minutes. In the teachers' toilet-room, on the second floor, the air is changed once in five minutes.

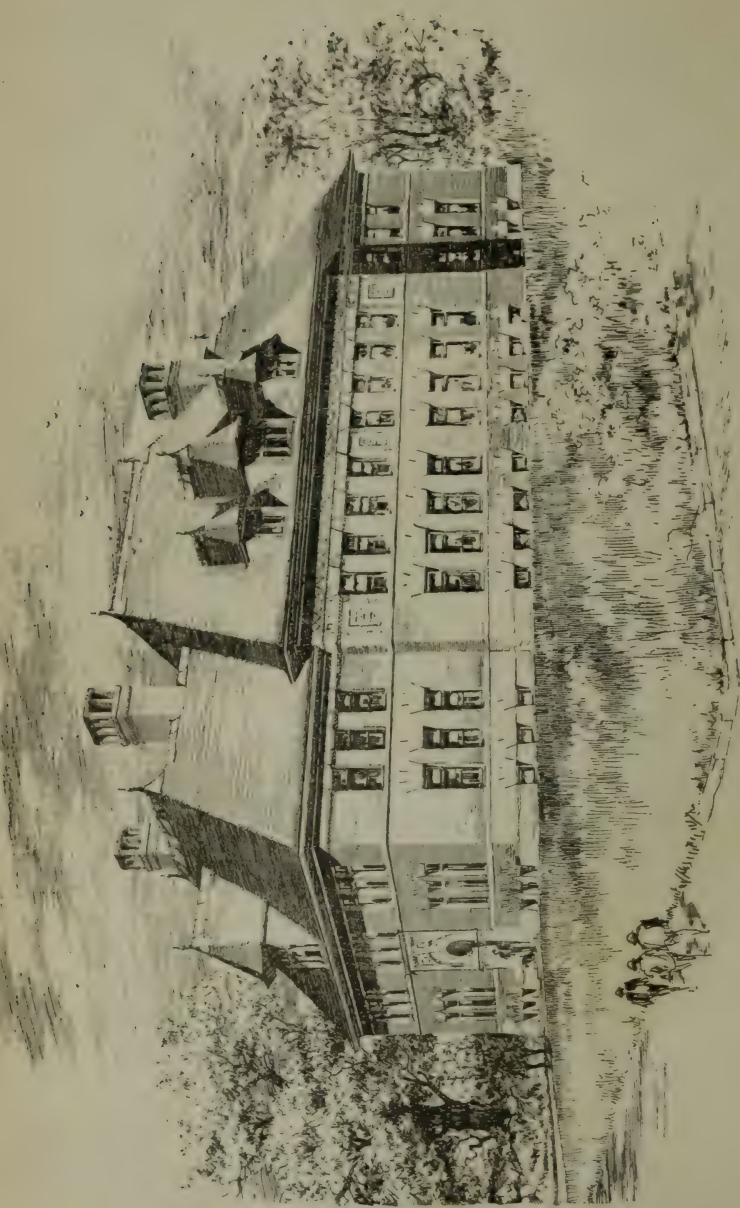
In the auditorium (marked Y, Plate 3) the available floor space is 3,600 feet, which gives a seating capacity of 600, allowing each person to occupy 6 square feet. The fresh-air supply is at the rate of 35 cubic feet per minute for each person, thus making 21,000 cubic feet; velocity, 400 feet

per minute, making $52\frac{1}{2}$ square feet duct area. The fresh-air supply is admitted to the room through an opening above the cornice on the warm side (see Plate 5, a c), extending the whole length, and is allowed to follow the line of the ceiling and descend on the cold side of the room, and from thence pass back at and below the breathing line to the four foul-air ducts, thus insuring a perfectly uniform circulation. The temperature can be regulated from the room by means of the mixing dampers.

The boys' and girls' toilet-rooms are heated by means of indirect steam, the air being sufficiently heated to insure the proper temperature in the several apartments. The fan pressure is not used in supplying fresh air for these rooms, because there must be no approach toward an outward pressure of the air which might in the least interfere with the operation of the foul-air duct. All air is removed from these rooms by passing through the bowls of the closets and under the urinals (see Plates 5 and 6), and from thence by means of brick air chambers into the foul-air duct, which extends directly to the exhaust fans in the top of the building.

The laboratory is provided with the same amount of fresh air as one of the regular school-rooms, which will change the air of the room once in three and one-half minutes; and, as it has a separate foul-air duct extending to the exhaust chamber (see Plates 3 and 4) in the top of the building, it will be seen that any possibility of foul odors usually emanating from a laboratory is done away with.

The warm-air supply for the basement is to be taken from the several school-room heaters, which can be shut off, as they will not be needed, during the recess (see Plate 6). That is the only time the basement will be used, and then only in bad weather. For this reason it has been thought best not to arrange for a separate supply of heated air, but the air will be *removed* from the basement through the special ducts extending up to the exhaust chamber in the top of the building, as shown in the plans.



HIGH SCHOOL, ARLINGTON MASS.

SYSTEM OF HEATING AND VENTILATION FOR THE NEW HIGH-SCHOOL HOUSE AT ARLINGTON, MASS.

The perspective view of this school-house has been furnished by Messrs. Hartwell & Richardson, architects, Boston, Mass., who designed the building.

The form of the building is of course due to the carefully studied arrangement of the interior, and the character of the design is dependent on a good composition of window and door openings in the wall surfaces. Special emphasis is given to the entrances (which are arched), by decorating them with a little good carving.

The effect produced by the use of red brick in two shades — the lighter being used for a pattern on a ground formed by the darker — is taken advantage of in the treatment of the second story. The scheme was, in part, suggested by the brick chateaux of Normandy of the fifteenth and sixteenth centuries.

The two central rooms in the basement are intended for future use for a manual training school.

The rooms on the first floor are designed for present use as grammar school-rooms, and eventually for the high school, as the needs of the town may require.

On the second floor are the high-school rooms, the large assembly room, which will seat 112 scholars, having a rolling partition in the centre, so that it may be divided into two rooms whenever desired.

On the third floor is a large hall, capable of seating 450 persons.

There are also physical and chemical laboratories, chemical supply room, superintendent's, principal's and teachers' rooms, with book closets, water supply, etc.

The location and arrangement of the stairways give safe and commodious egress from all parts of the building.

A peculiar feature of this building is in the arrangement of the sanitariums, which are in a separate tower opening on each floor from near the middle of the corridors. There will be no plastering on the walls or ceilings of this tower, and no unnecessarily concealed plumbing work. The closets and urinals will be of the best make, individual porcelain

bowls, fitted in the best manner with slate backing and floors. The wood partitions between the closets will rest on metal posts six inches above the floor.

Heating and Ventilation.

The building will be heated by steam by two water-tube boilers, one of forty-horse power and one of twenty-five-horse power, connected so that one or both may be used.

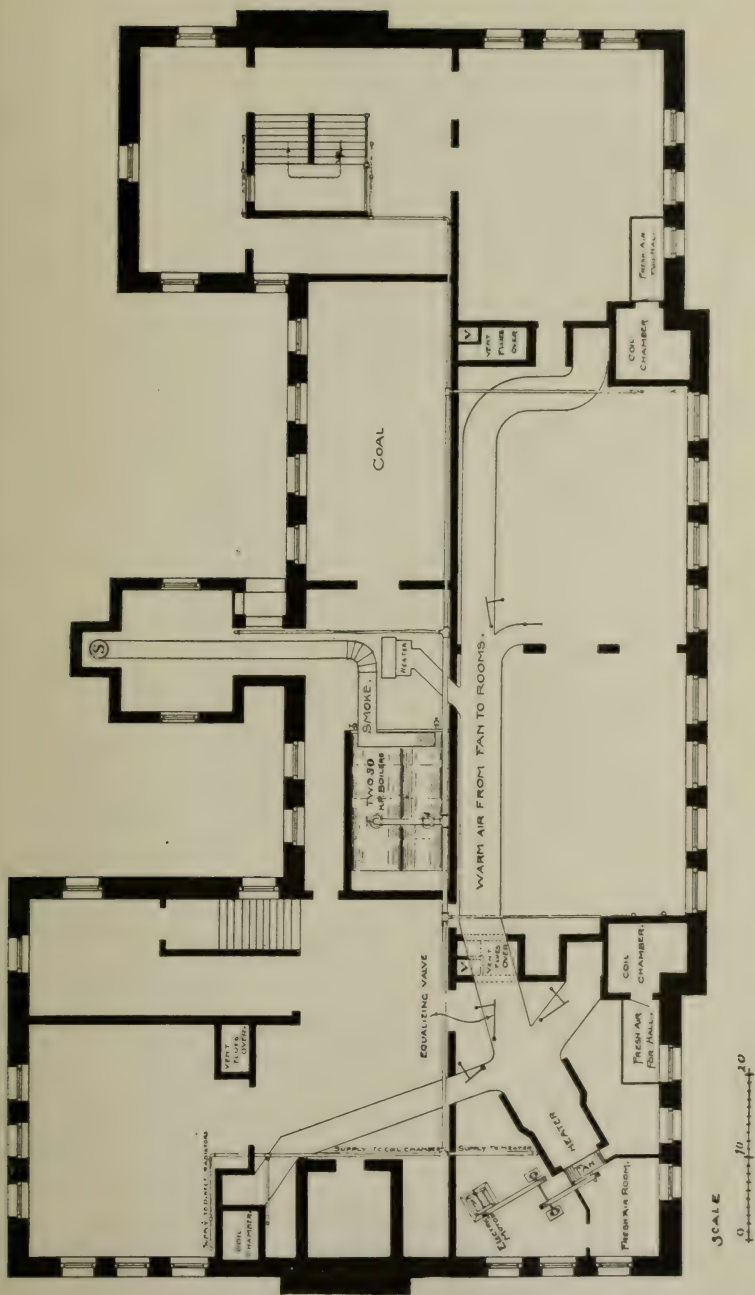
These boilers are set low enough to insure the return of the water of condensation from all parts of the system, except from the primary coil, for which a trap will be used.

The school-rooms, laboratories, large hall and corridors will have both indirect and direct radiation, although it is expected that the direct will only have to be used in extremely cold weather. The sanitariums and smaller rooms will be heated by direct radiation only. The location of the radiators is shown on the plans.

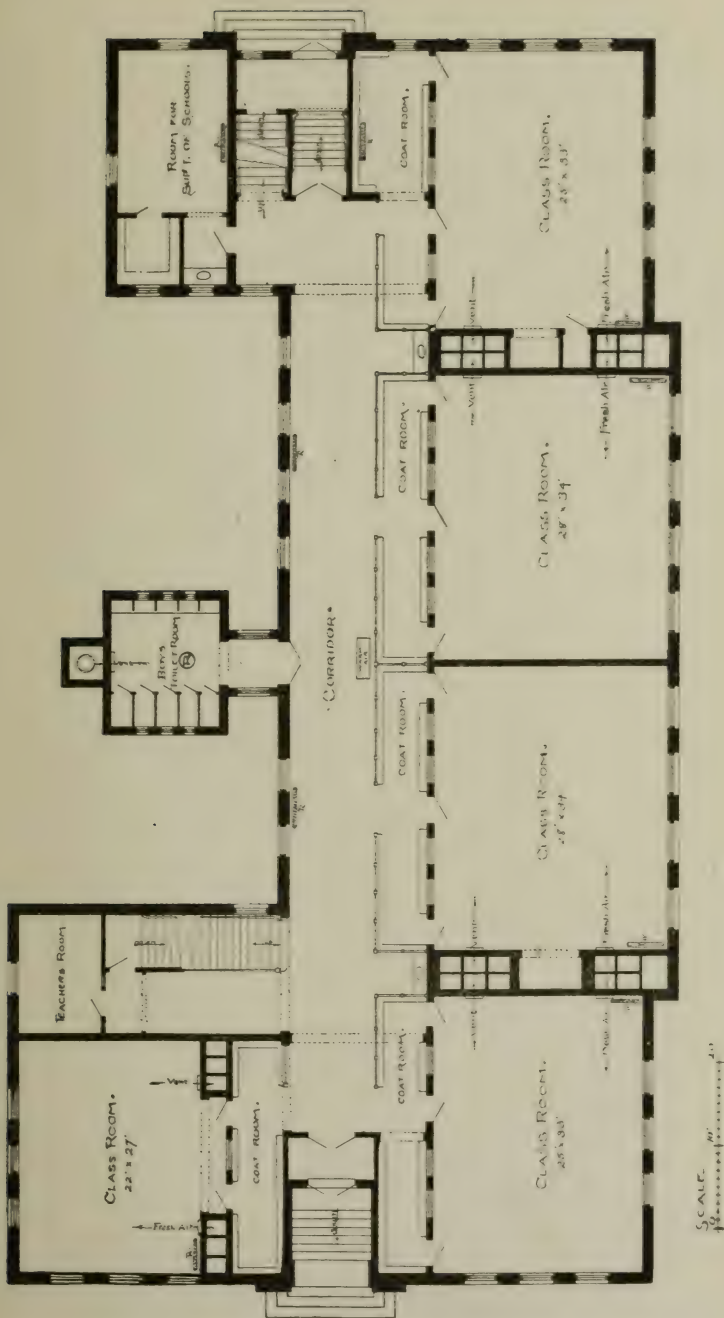
The system of ventilation designed for this building is of the kind known as forced ventilation, the air being supplied to the principal rooms and corridors by a fan driven by a steam engine, and the foul air removed through brick flues heated by steam coils or by gas, as may be found most convenient. The hall on the third floor, not shown on the plans, will be supplied with warm air from ordinary indirect steam coils, as shown on sectional drawings, and the air will be extracted from this hall by the same method of heated flues as from the school-rooms. When the school-rooms are not in use the hall can be supplied with air from the fan by opening a switch-valve, shown on the sectional drawings.

By a simple arrangement of doors from the basement rooms to the coil chambers, as shown, the air for hall or school-rooms may be taken from these basement rooms when the fan is not running, thus, at will, converting a mechanical into a simple gravity system, a very economical arrangement for night use.

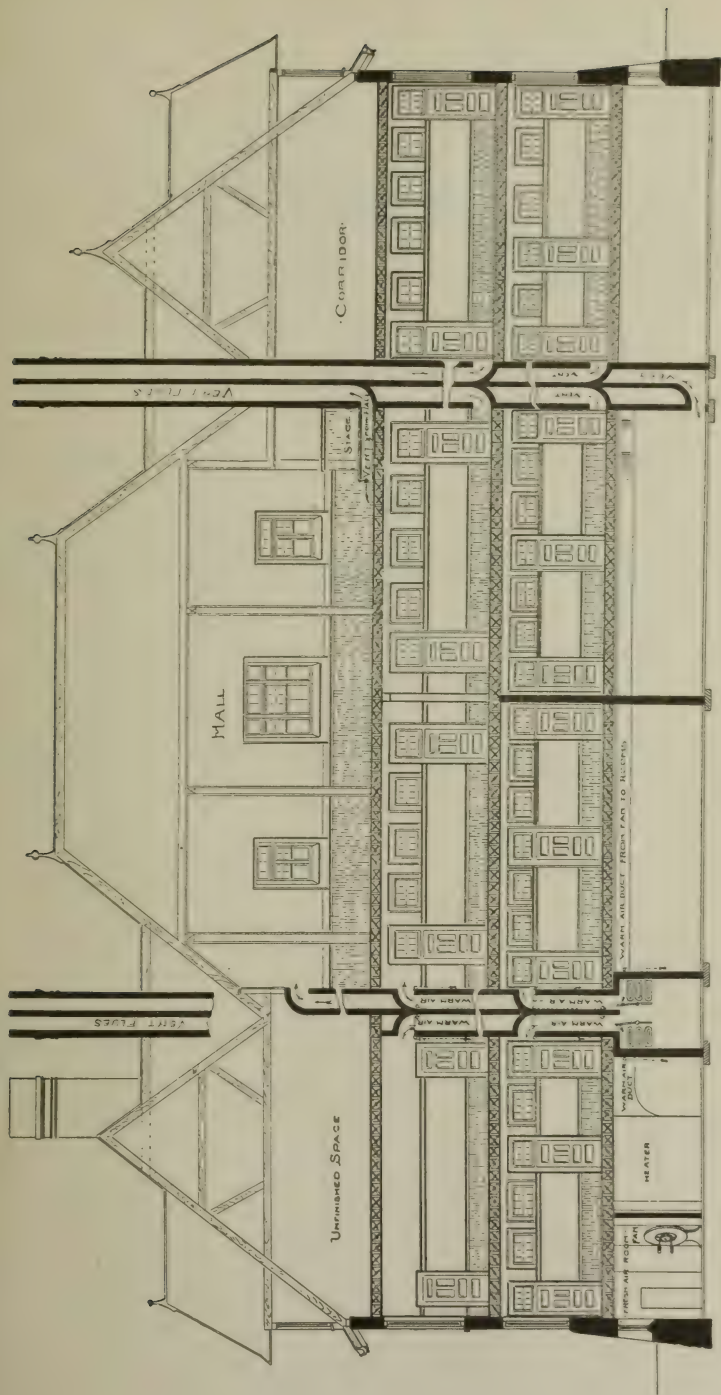
In supplying the air to the rooms by the fan, the air is forced through a primary coil or heater having a sufficient heating surface to raise the requisite amount of air from zero to about sixty degrees F. From this chamber the air passes through the pipes, as shown, to the plenum chambers under



PLAN OF BASEMENT - HIGH SCHOOL - ARLINGTON MASS.

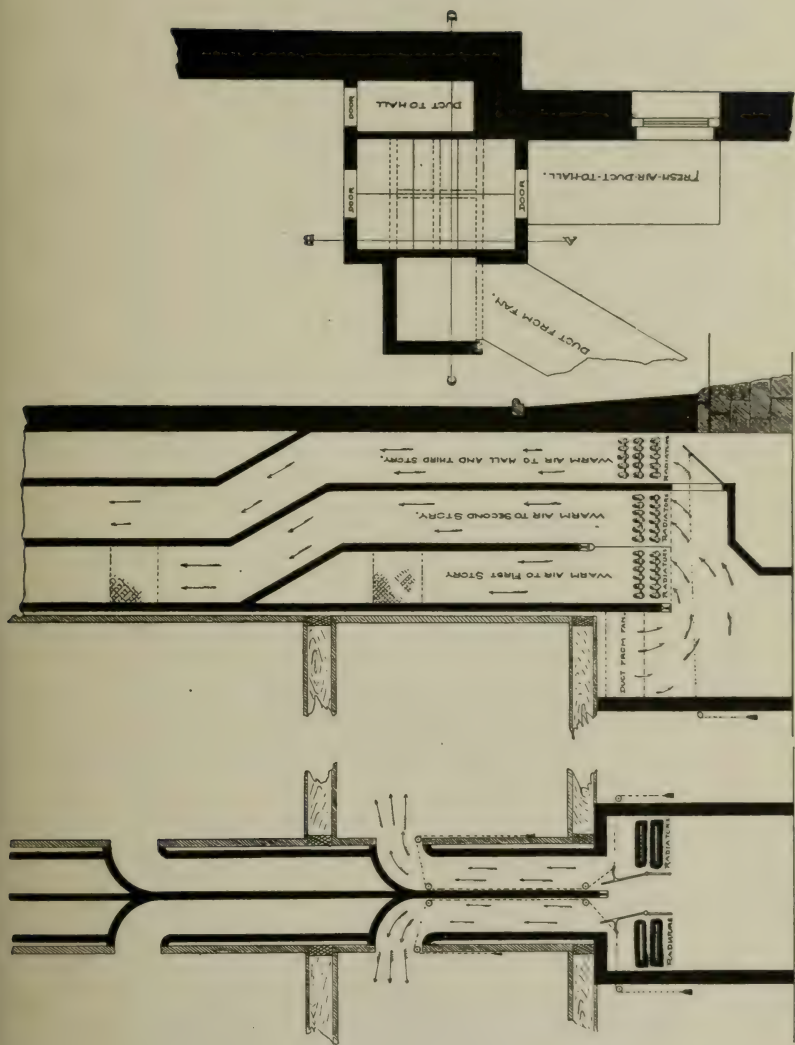


PLAN OF FIRST STORY - HIGH SCHOOL - ARLINGTON MASS.



LONGITUDINAL SECTION THROUGH HIGH SCHOOL BUILDING

ARLINGTON MASS.



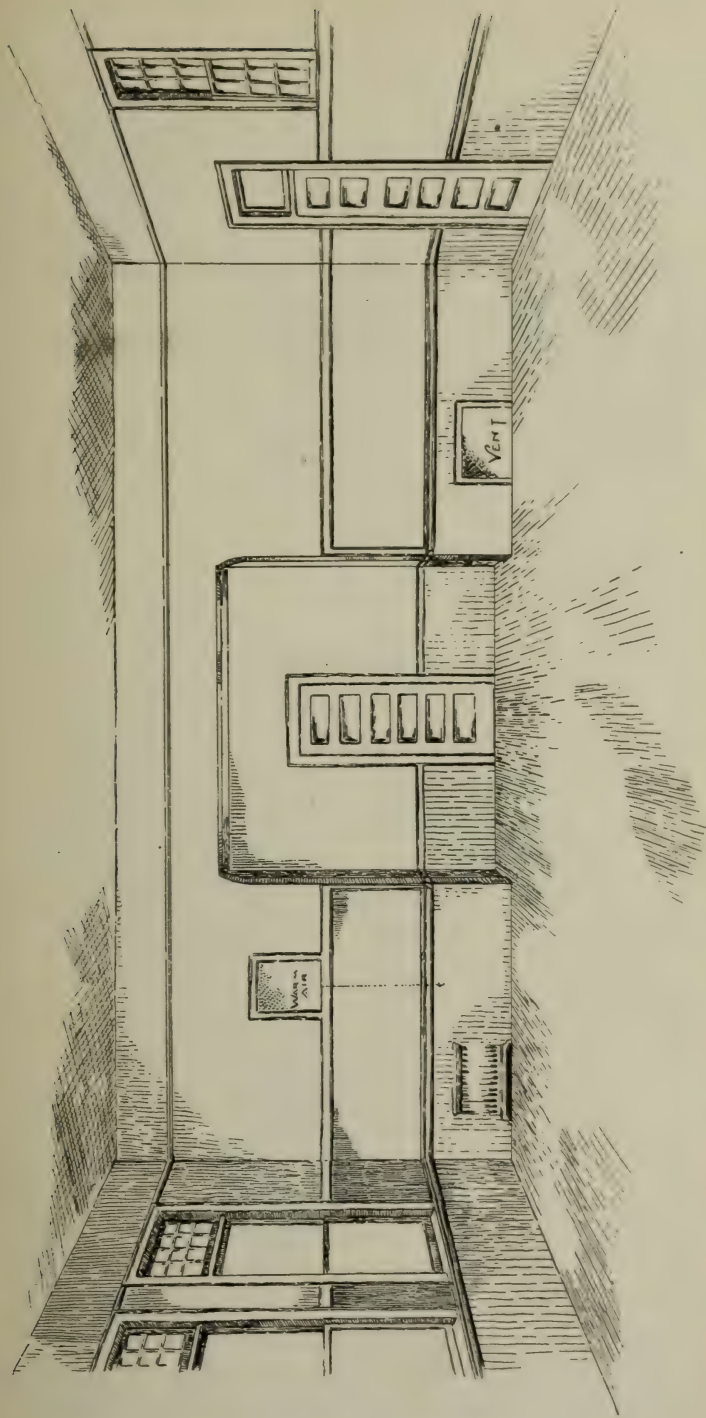
PLAN OF FLUES.

SECTION THROUGH C-D.

SECTION THROUGH A-B.

SCALE 3" = 10'

PLAN AND SECTIONS OF FLUES - HIGH SCHOOL - ARLINGTON MASS.



“ INTERIOR OF CLASS ROOM HIGH SCHOOL-ARLINGTON MASS.”

the flues rising to the rooms. From the plenum chambers the air may pass through the supplementary coils, increasing its temperature to any degree required to warm the rooms, or it may pass directly to the rooms at its primary temperature, according to the way in which the switch or mixing valves are set.

These valves are so arranged that they can be operated from the school-rooms by the teachers. On each warm-air inlet there will be placed a standard metallic thermometer, perforated at back and sides to allow the air to come in contact with the interior mechanism. These thermometers can be read from any part of the room, and a teacher will soon learn what should be the temperature of the incoming air to keep her room at seventy degrees, and if from any cause such temperature rises too high, or falls too low, she can change the valve in time to prevent uncomfortable changes in the air of the room.

Both the primary and supplementary heating coils are made up in two sections each, one section having double the heating surface of the other.

In the main supply pipes there will be equalizing valves, as shown, by which the flow of air through any pipe may be increased or diminished, and there will be valves, not shown on the plans, by which the air may be entirely shut off from any room when desired.

The velocity of the air in the main pipes is calculated to be 900 feet per minute, and its velocity at the inlets to the rooms to average 360 feet per minute. The area of the inlets will be 5 square feet, thus giving a supply of air to each room of 1,800 cubic feet per minute.

For removing the vitiated air a separate flue is provided for each room. These flues have a cross-sectional area of four and one-half feet each.

The openings to these flues from each room will be 24 inches high by 30 inches wide and covered by a bronze wire grating

Valves will be placed in each flue so that the exhaust from any room can be closed at night, or at any time desired.

The sanitaries will be ventilated by exhausting the air from the rooms and closets through the large brick chimney,

in which is placed the iron smoke-pipe from the boilers. The amount of air extracted will be large, and, as there is no direct supply, there will be at all times a draught from the corridors through the sanitariums. A small furnace or heater will be placed at the foot of this stack, for use in warm weather, when the boilers are not used.

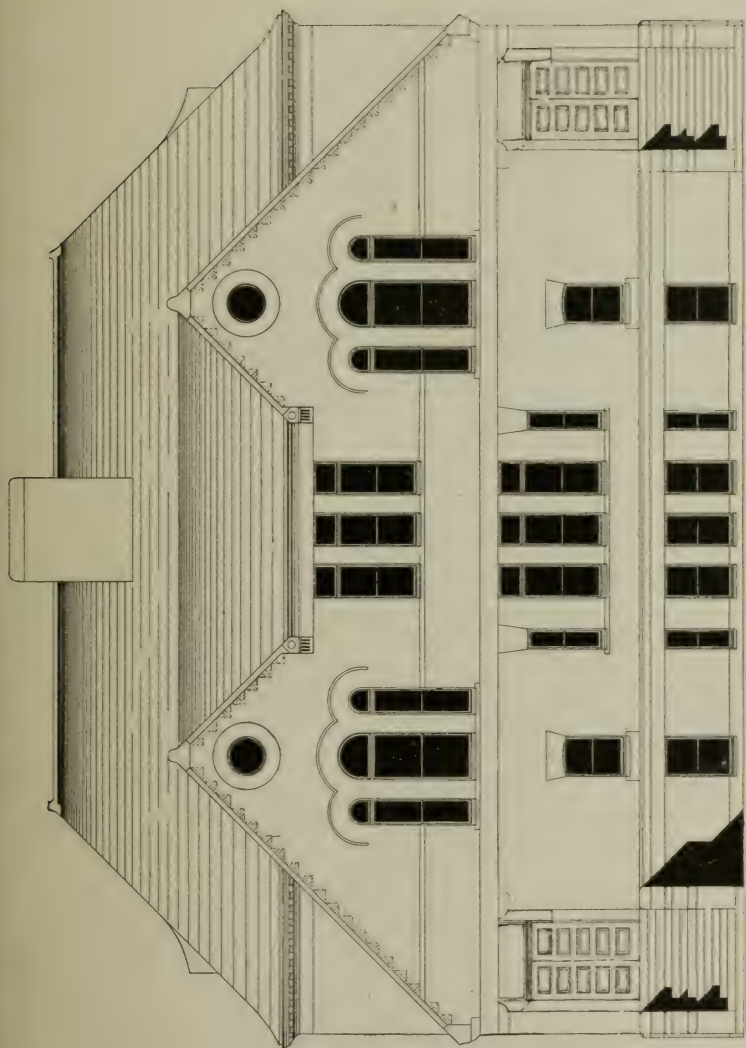
PLANS AND ELEVATIONS OF A TWO-STORY SCHOOL BUILDING, SHOWING METHODS OF HEATING AND VENTILATION.

This is a brick building containing two school and one teachers' room in each story, with wide corridors and two stairways. In the basement are two play-rooms, sanitary arrangements, boiler and fuel rooms.

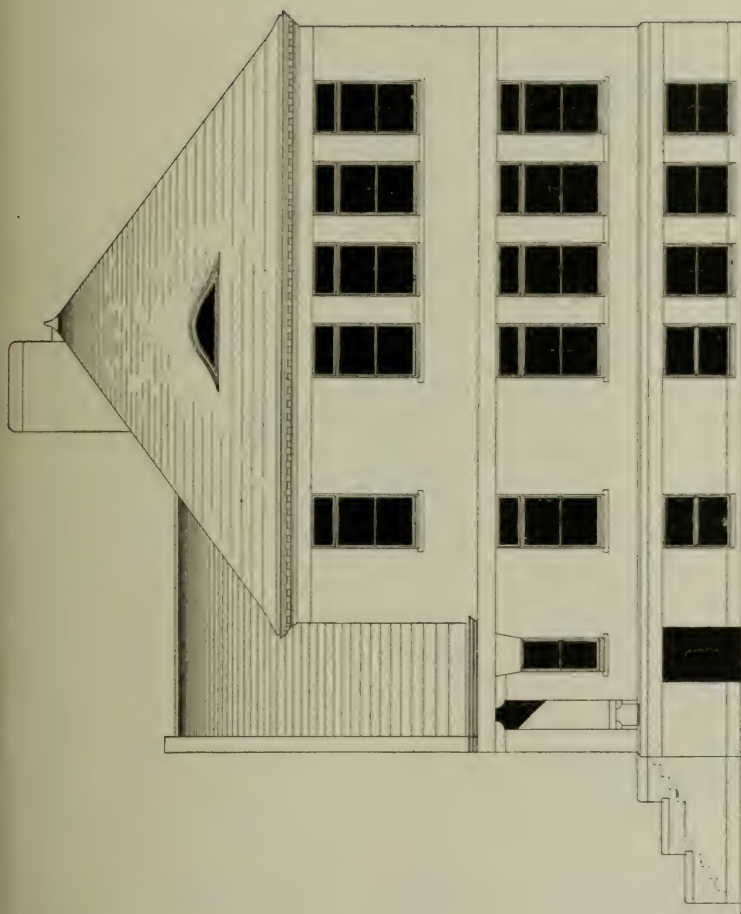
The outer walls have a two-inch air space, and are well bonded. The interior walls are of brick, except for the teachers' rooms. The partitions, stairs and floors are fire-stopped, as required by specifications issued from the office of Chief Inspector Wade, July 1, 1892. The building is not fire-proof, but the construction is such that it is slow-burning and fire-resisting in a great degree. Two separate stairways and two outside doors (hung to open both ways) give ample means of exit.

The stairways are of good width and easy rise. The corridors extend the whole length of the building, and are well lighted. The clothing is hung on hooks placed on stout wire-netting screens in the corridors, thereby being aired and dried while the pupils are in the school-rooms. Each teachers' room is provided with a lavatory, is well lighted, and has a transom over the door leading into the corridor. The teachers' rooms being occupied by only a limited number of persons for a short time, the heating is by direct radiators, placed in front of the windows.

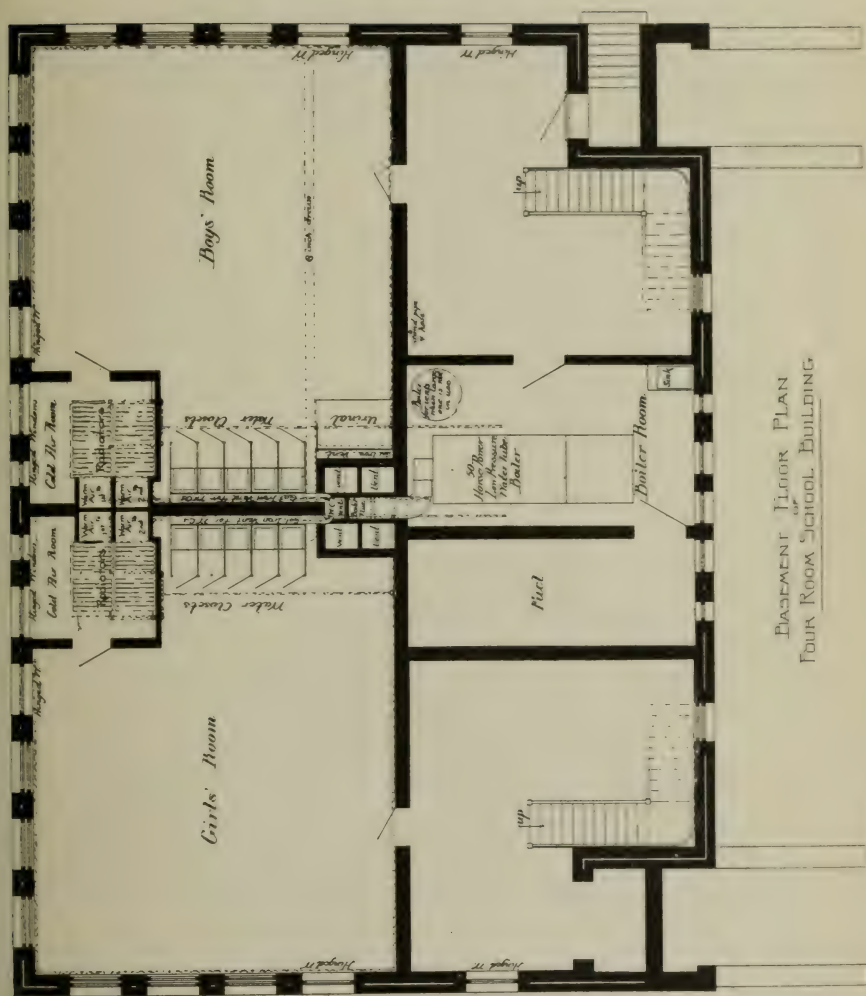
Each school-room is 28 by 32 feet, and 12 feet high, intended to accommodate 48 pupils, although 56 of the lower grades can be comfortably seated. Each school-room is lighted by nine windows, allowing the light to come from the left and rear of the pupils. The windows are provided with double sashes and a transom over each. The doors leading from the school-rooms to the corridors have each one light of heavy plate glass, to enable the teacher to see into



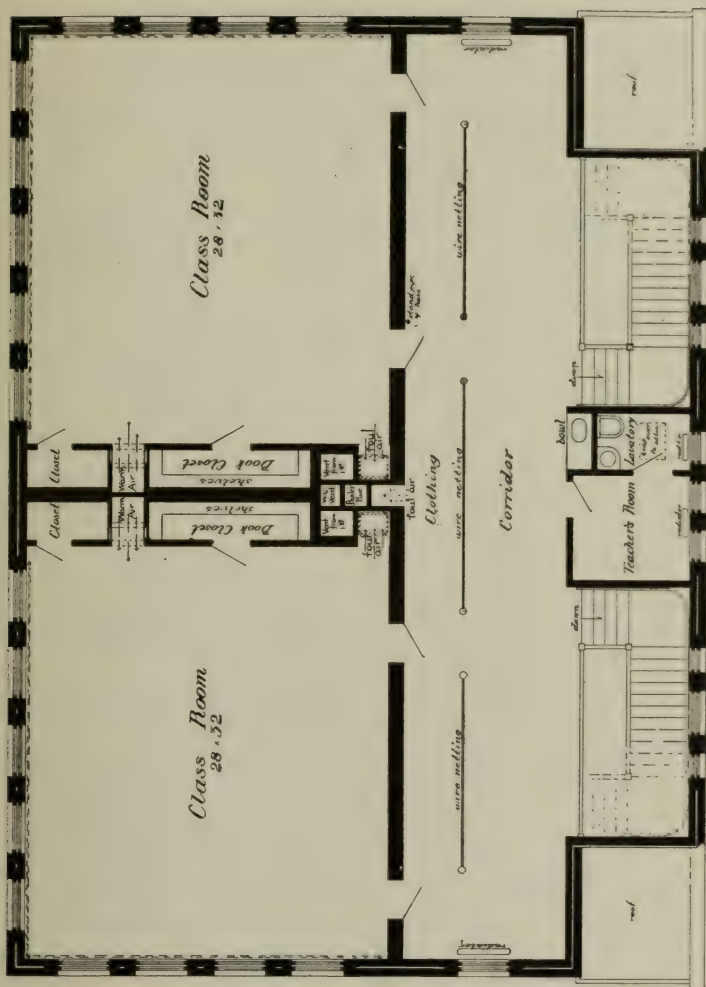
FRONT ELEVATION
FOUR ROOM SCHOOL BUILDING



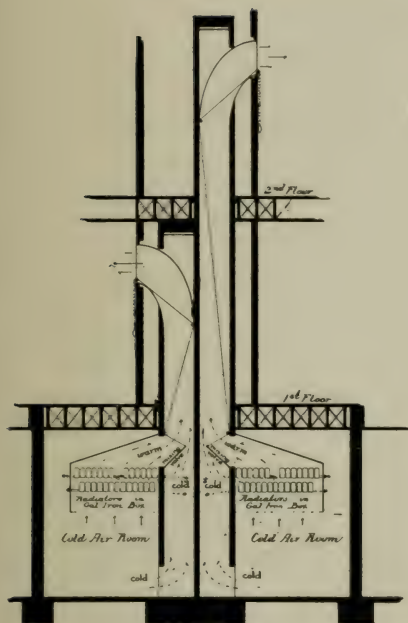
SIDE ELEVATION
FOUR ROOM SCHOOL BUILDING



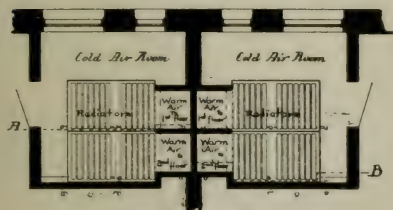
BASEMENT FLOOR PLAN
OF
FOUR ROOM SCHOOL BUILDING



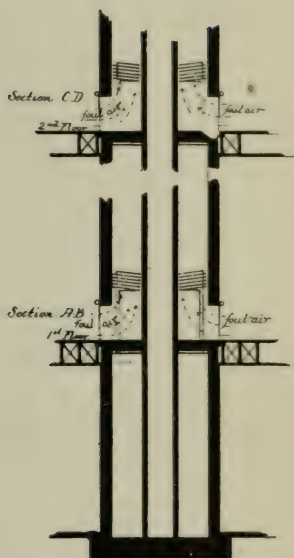
SECOND FLOOR PLAN
FOUR ROOM SCHOOL BUILDING



Section A-B



Plan of Heating Stack
Basement Floor

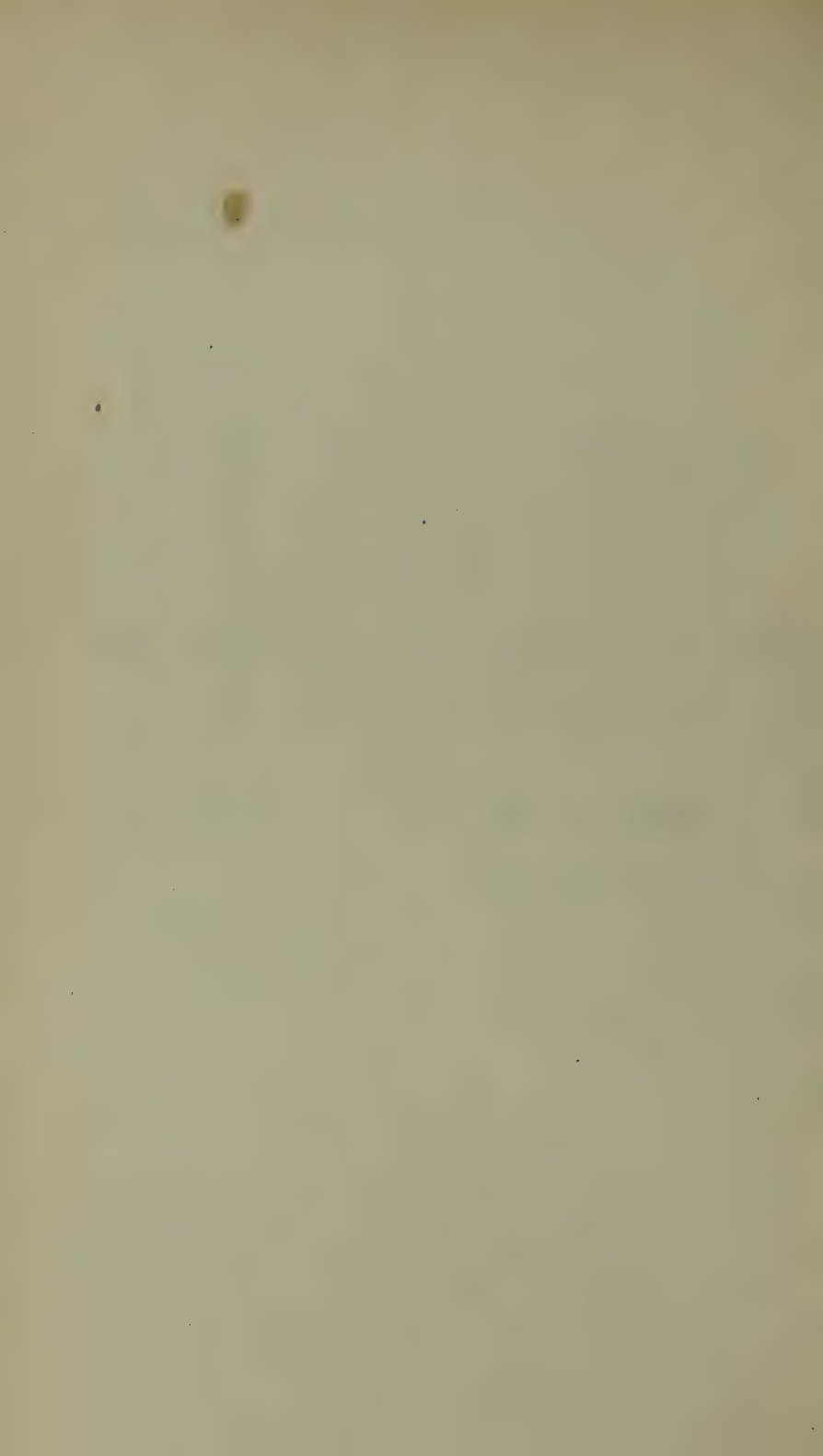


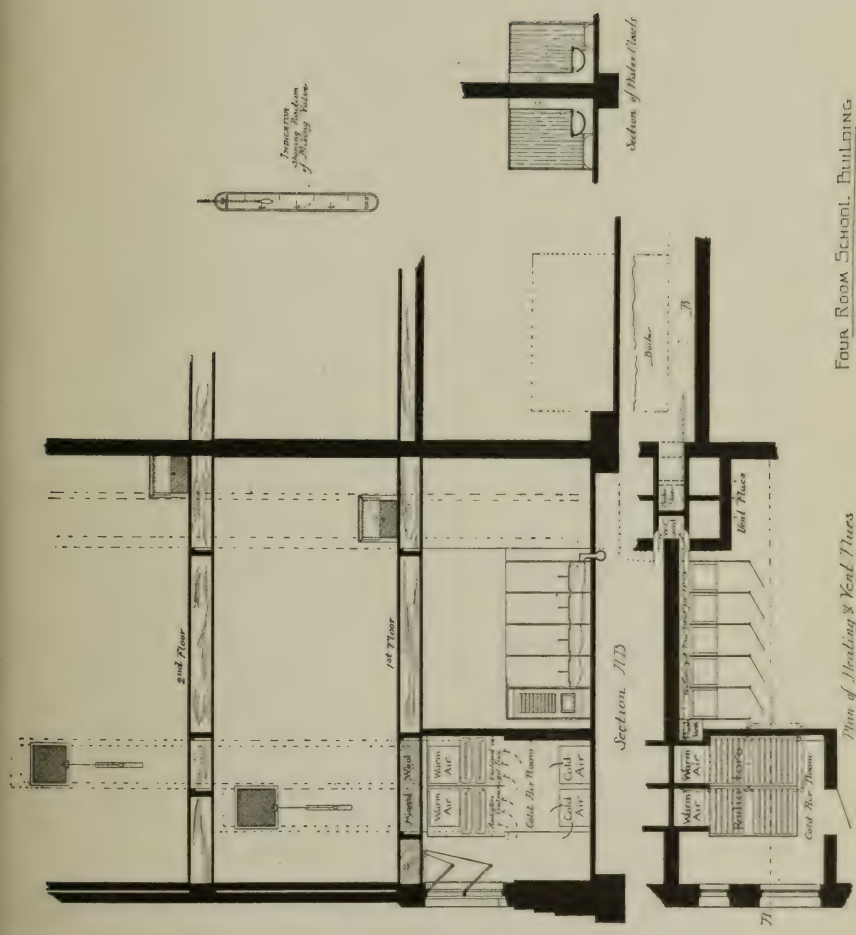
Section C-D



Plan of Vent Flues
First Floor

FOUR ROOM SCHOOL BUILDING





Traverse
Showing Position
of Heating Pipes

Section of Water Supply

FOUR ROOM SCHOOL BUILDING

Plan of Heating & Vent Pipes
& Water Closets in Basement

71

the corridor. A transom is provided over each of these doors.

Heating is provided for by a fifty horse-power water-tube boiler in the basement, the boiler-room being enclosed in brick walls, with terra-cotta, wire lathing and plastering overhead. A small upright boiler is provided for use in heating the exhaust vent ducts when steam is not up in the main boiler.

Each school-room has 364 square feet of indirect radiating surface (Eureka indirect radiators), divided into three sections. Two rows of one and one-half inch steam pipe are placed around the two cold sides of the room. These pipes are only to be used at night, when the indirect radiators are shut off, or to warm up the room quickly in the morning before the school session opens.

In the lower corridor two floor registers with indirect radiation are provided, to enable the pupils to warm and dry their feet in cold or wet weather. A direct radiator is provided at each end of each corridor, and placed in front of the windows. Each teachers' room and lavatory is provided with direct radiators in front of the windows. In the basement two rows of one and one-quarter inch pipe are placed overhead around the sides of the large rooms.

The indirect radiators for the school-rooms are placed in cold-air rooms in the basement on the centre of the outer side of the building, each school-room being provided with a separate set of radiators, encased on the top and sides, but open on the bottom. These radiators are in sections, to be used as desired, one, two or three sections.

The fresh warm air is taken up into each school-room through a separate brick duct, 24 by 30 inches, inside measure, and enters near the corner of the room, 8 feet above the floor. These ducts are plastered inside with a light coating of adamant plaster, to give a smooth surface and reduce the friction. The top is of galvanized iron, rounded, to throw the air into the room at a proper angle and with little friction. The air after passing the radiators enters these ducts through an opening 30 by 24 inches. A mixing valve is here provided to shut off the warm air and allow cold air to pass up from an opening 30 by 24 inches,

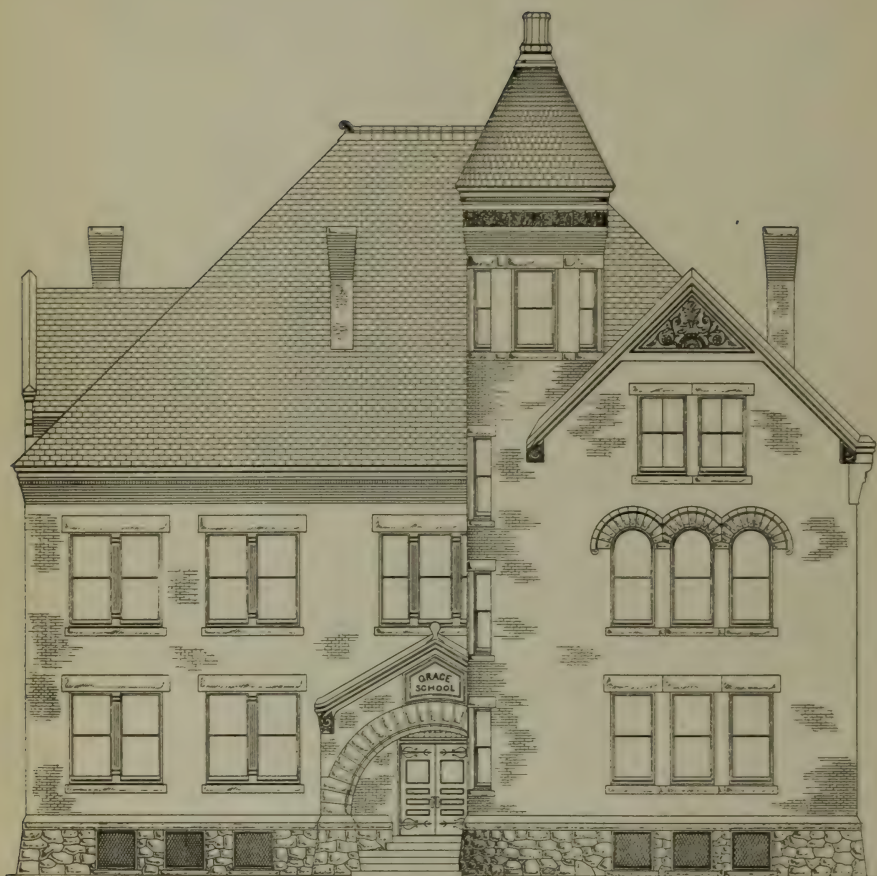
at the bottom of the duct and under the radiators, thereby graduating the temperature without materially cutting off the supply of fresh air. These mixing valves are operated from the school-rooms by means of a chain and pulley, the chain being held in position by a suitably arranged stop on a graduated plate fastened to the wall. The warm-air inlet to the room is covered with a wire grating of one-eighth inch wire, one and one-half inch diamond mesh, set in a light iron frame.

The foul-air ducts are in one stack, grouped around the smoke flue, thereby utilizing the waste heat to assist the outflow of foul air. A separate foul-air duct is provided for each school-room, the corridors and the sanitary closets. Inside these ducts and just above the outlets from the rooms are placed rows of steam pipe, to cause an outward draught of foul air. Twenty square feet of radiating surface are used in each duct. The foul-air ducts from each room are 30 by 24 inches, inside measure, and the openings are placed level with the floor, being protected by wire netting the same size as for the inlets.

Each foul-air outlet from the school-rooms and corridors is provided with a heavy curtain on a spring shade roller, to pull down when desiring to reduce the outflow of air in very cold or windy weather, also at night, when a large supply of fresh air is not required in the rooms, and when the direct radiation is used. These curtains do not cover the whole outlet, but leave a space not less than three inches at the bottom when pulled down, thereby allowing some circulation of air in the room. These curtains are provided with a cord-and-stop pulley, to allow adjustment at any point desired.

In the basement, which is 11 feet high in the clear, are the boiler and fuel rooms, also separate rooms for the boys and girls. In these rooms are placed the sanitaries, which are ventilated into the sanitary vent flue through a galvanized-iron duct at the back of each set of closets and boys' urinals. Automatic flush tanks are provided for each set of closets. The covers of these closets are provided with a check at the back, to cause them to close automatically.

The basement floor is concreted, the top of the concrete being covered with Portland cement.



Overhead, and fastened between the bottom of the floor timbers and the furring, are two thicknesses of heavy calendered building paper. Between the floor boarding is placed a layer of asbestos building paper. Overhead of the cold-air chamber is filled in with mineral wool.

A stand-pipe with hose attached passes up through each story, for use in case of fire. Hose is also provided in the basement for fire purposes, and also for flushing and washing the boys' urinals.

A sink is also provided in the boiler-room for use of the janitor. A faucet and bowl are provided in each corridor for the pupils. All sinks and bowls are thoroughly trapped. The teachers' sanitary closets are also provided with vent pipe.

Teachers' platforms are not provided, but a suitable table desk is substituted in each school-room.

Each school-room has one closet for books and one for general use. Closets are also provided in each teachers' room.

A MODEL SCHOOL-HOUSE, NORTH ADAMS, MASS.

The building is shown by six sheets, as follows: front elevation, basement, first and second story floor plans, and longitudinal and transverse sections.

In construction the exterior walls are double, with air space, and the interior or partitions solid, all of stone, brick or porous terra-cotta; and the plastering, finish, black-boards, etc., are put flat on the walls, avoiding any smoke or fire channels.

The building is ventilated by an exhaust fan, and the sanitaries by a heated flue. The six school-rooms are warmed by six furnaces of special design, thereby insuring a uniform heat and supply of air; and the corridors, master's and teachers' rooms, storage and toilet are warmed by a combination warm-air and hot-water heater; the hot water can also be extended to sanitary rooms.

There are two ways of exit from the first story, corridor connecting with covered porch; and the stairways are double and easy in rise and run. In the tower is a fire stairway, connecting the several rooms in second and third

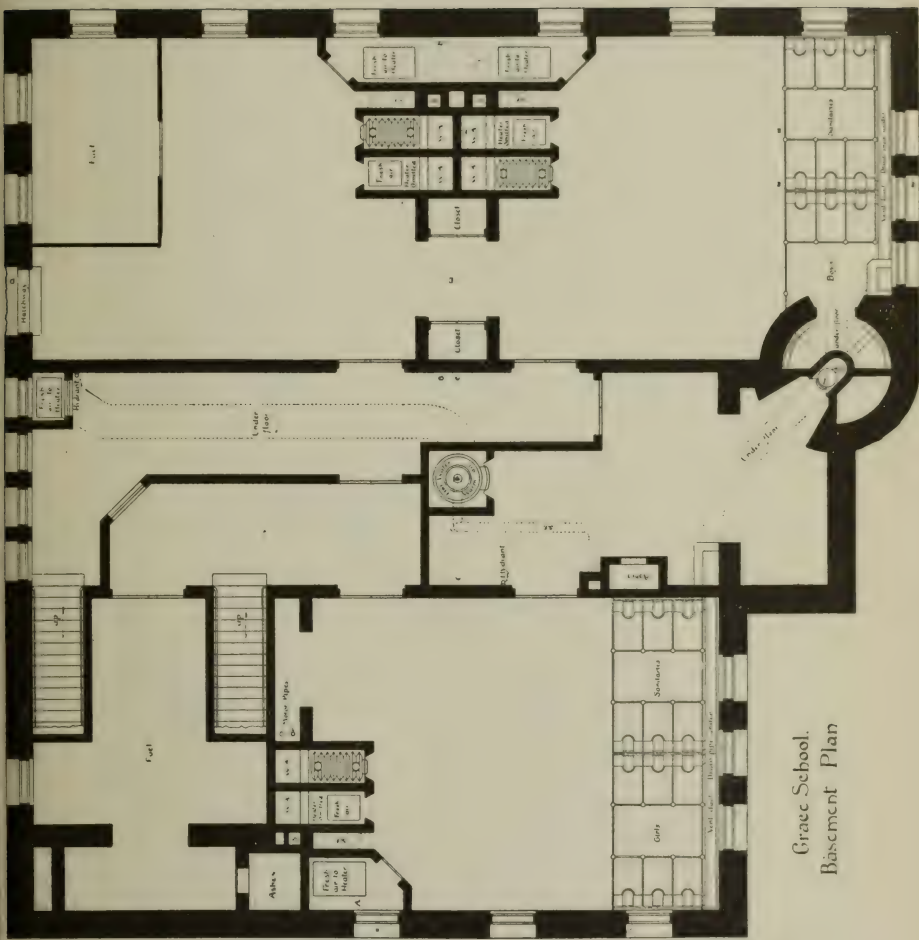
stories, independent of the corridors, with the front porch. The construction of the stairways is of iron and concrete.

The basement plan shows the location of the sanitariums, the closets being automatic flushing sinks; and the urinals, within the tower, are plate-glass slabs, with perforated water pipes on top. They are all connected with drain pipes, not shown, and ventilating ducts to the flue within the fire stairway in the tower, which is heated by a small furnace. This plan also shows the location of the fresh-air rooms, heaters, fuel rooms, etc. The air is taken from the fresh-air rooms below the floor to the heated chambers and bottom of the warm-air flues, marked W A, for mixing with the warm air taken from the top of the heater. Three of the six school-room heaters are omitted, showing the fresh-air connection with the chambers. These heaters have a fire-box about one-half their length, large heating surface and compound smoke connection; and the shape of exterior is such as to obtain all the benefits of the radiant heat of the fuel possible.

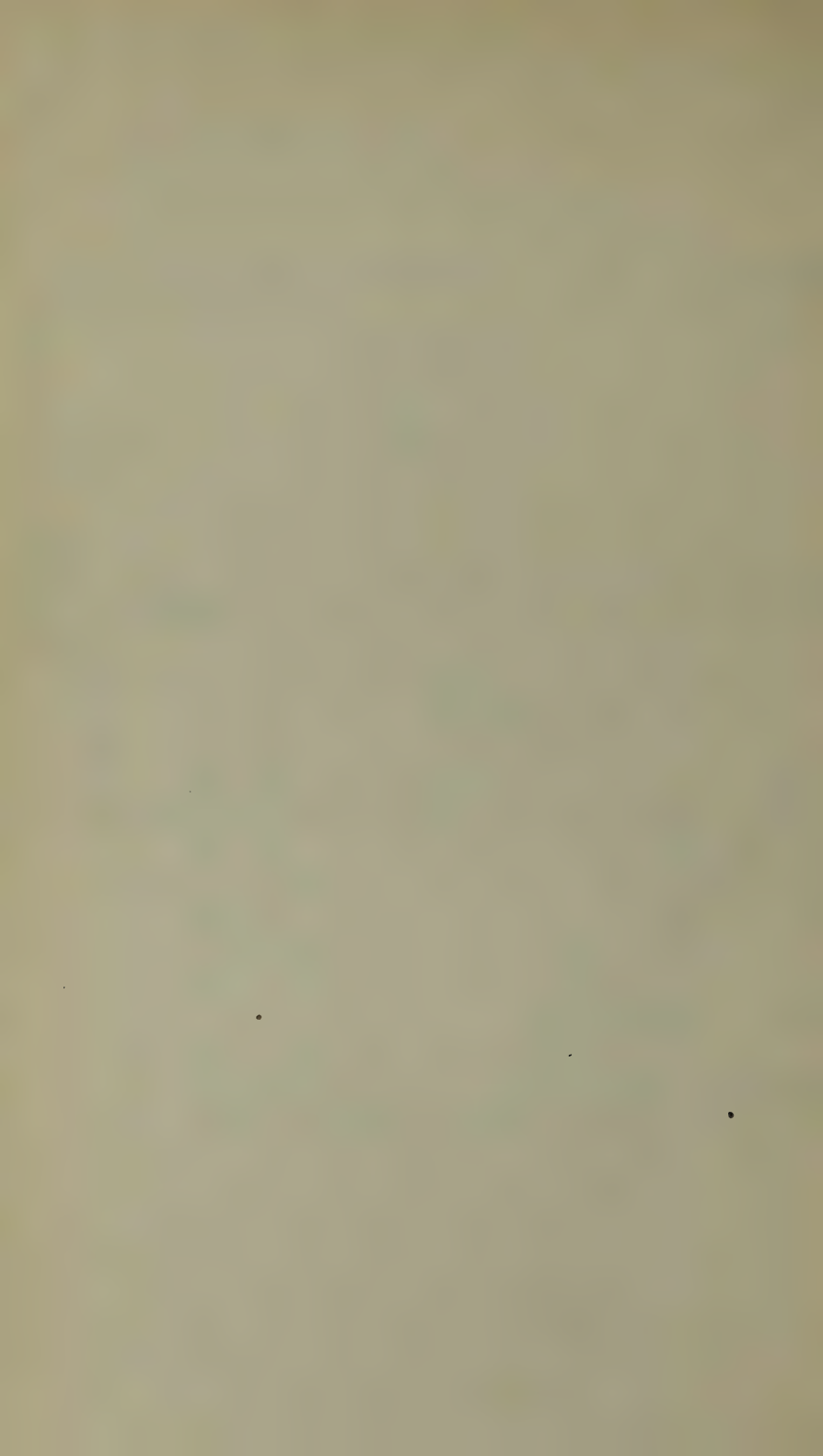
The first-story plan shows three school-rooms, 1, 2 and 3, and their arrangement of seats and connection with flues. The windows are of good width, and doors are in pairs and hung with double-acting spring hinges of sufficient tension to hold in place. Also the stairways, teachers' toilet, coat-stalls, floor register for warming feet, water supply and exits.

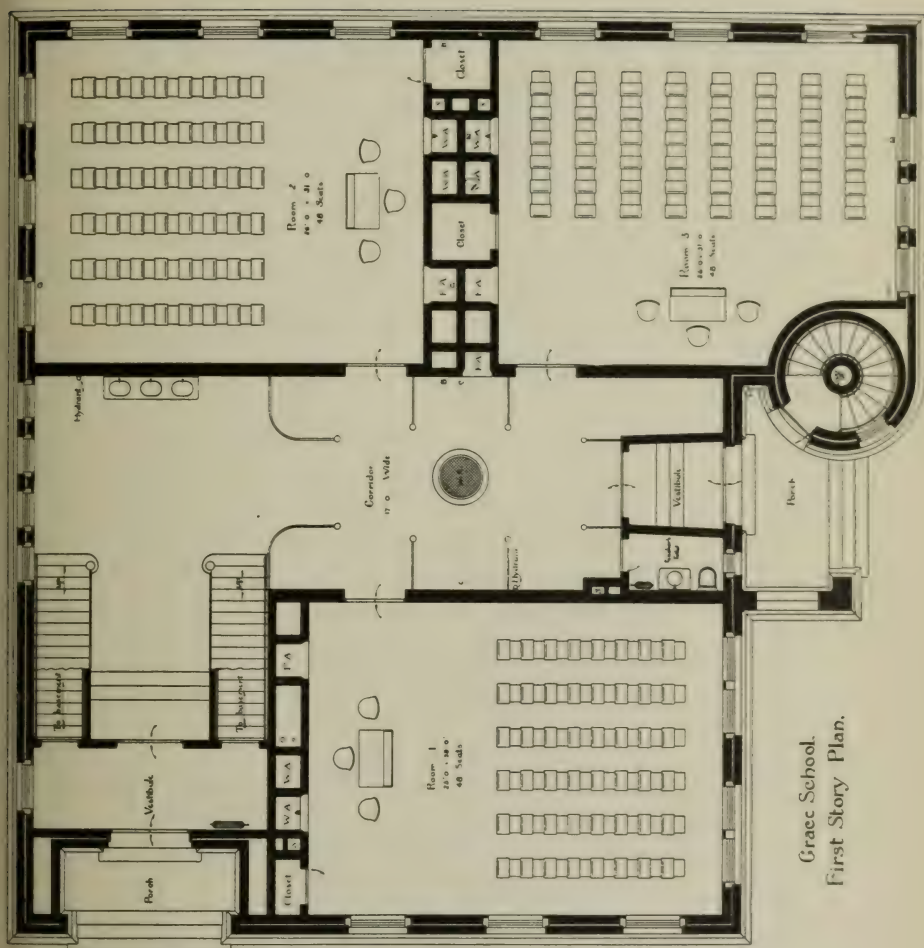
The second-story plan shows school-rooms 4, 5 and 6, office or master's room, over front vestibule, and teachers' room, opening from the stairway landing midway between the first and second story, with lockers. These two small rooms are heated by direct hot-water circulation, and provided with fireplaces for ventilation. The arrangement of the school-rooms, flues, etc., is about the same as in first story.

The transverse-section plans show, besides the general construction and interior finish, the heights of stories, and fire-stops each side of and about six inches from the party walls in each tier of floor timbers, to overcome any imperfection which might exist or occur by settlement in said walls. In A A, a section through two of the school-room heaters, their connections with fresh-air room and flues; an elevation

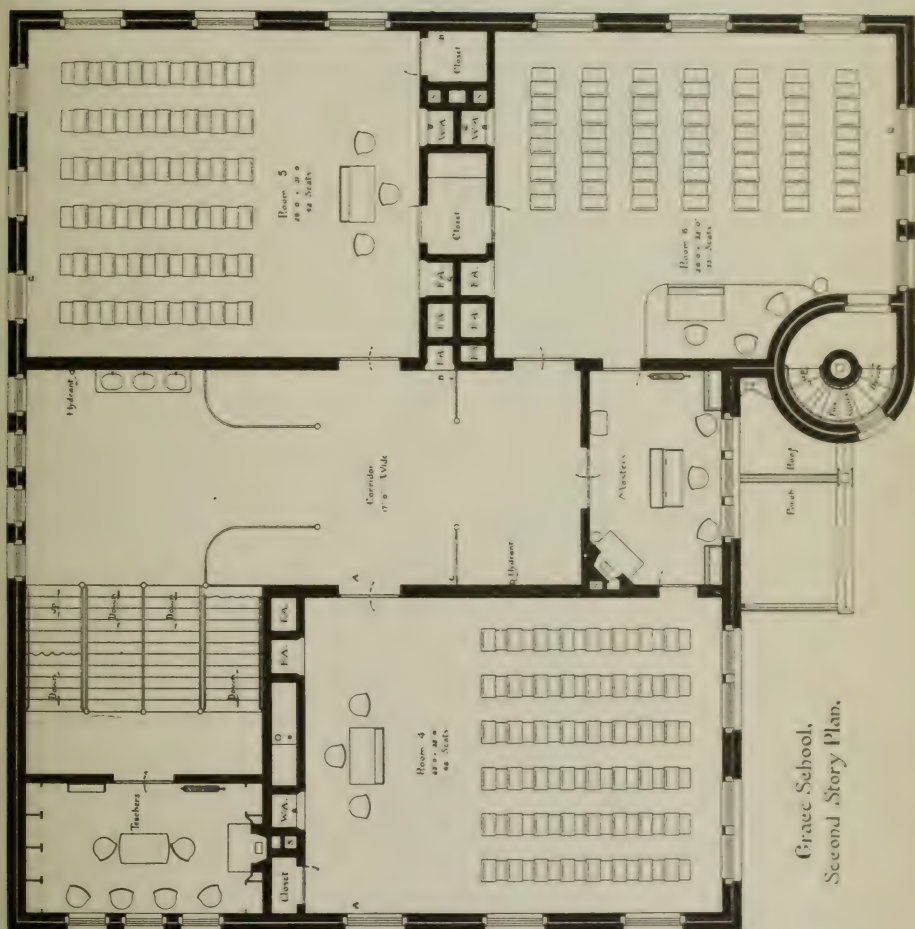


Grace School.
Basement Plan





Graec School.
First Story Plan.

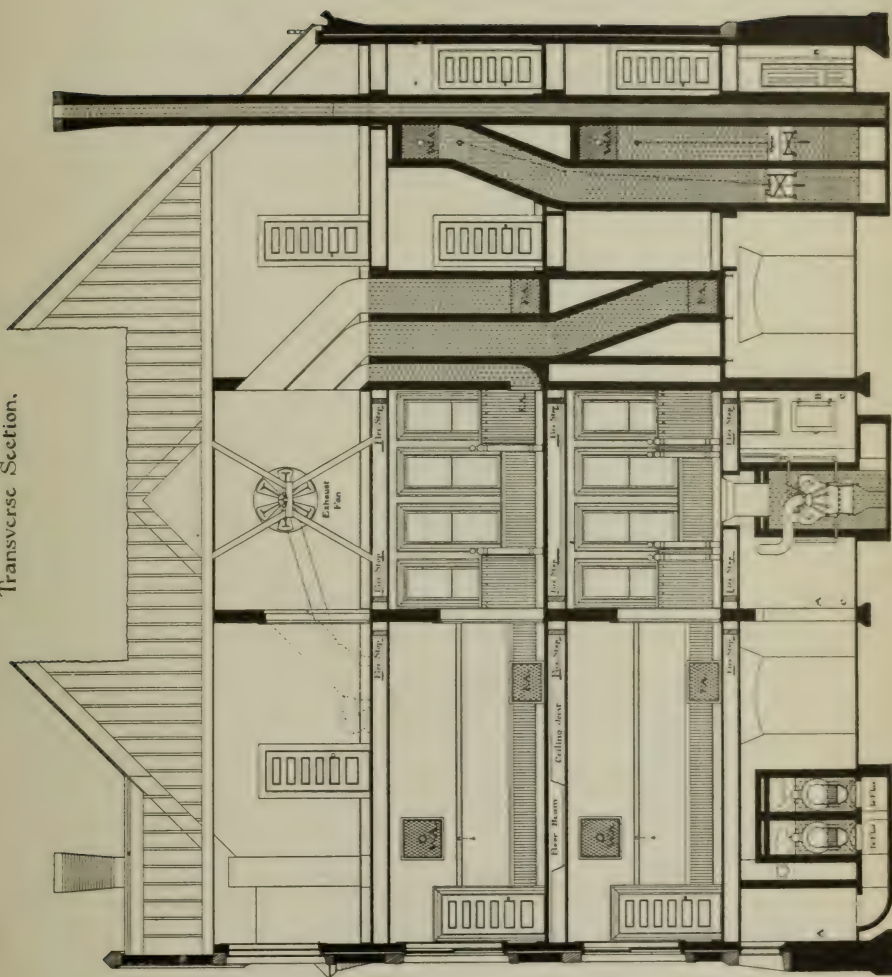


Grace School,
Second Story Plan.

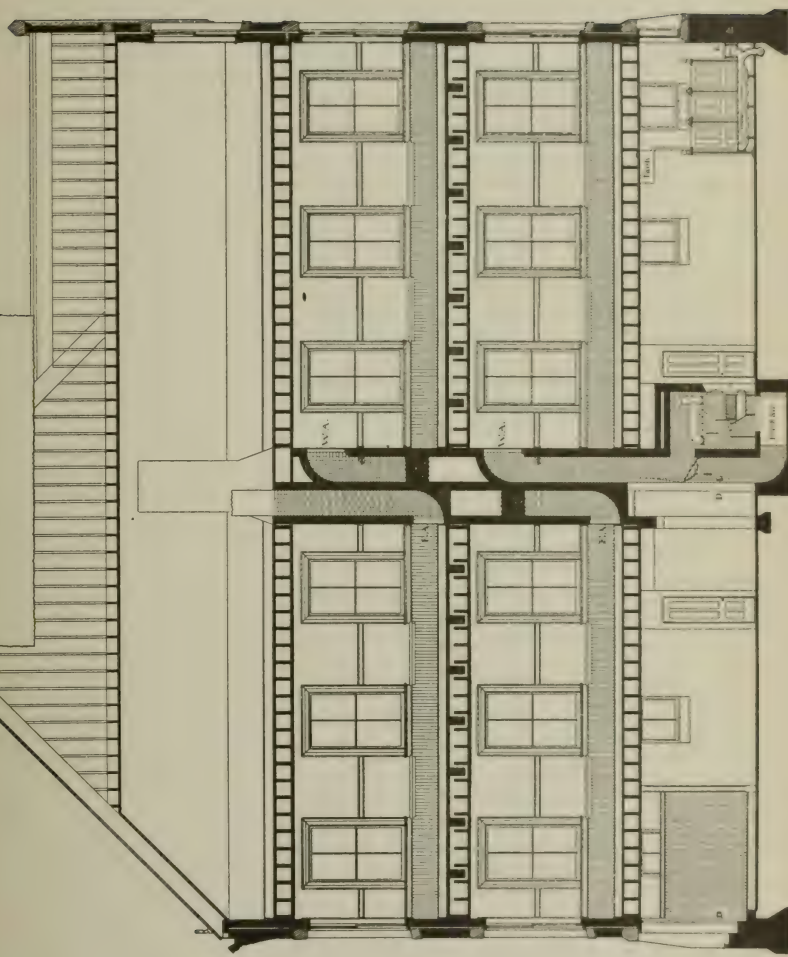
This architectural floor plan depicts a three-story building with a complex internal layout. The plan is oriented with a gabled roof structure on the left side. The central portion of the building features a series of interconnected rooms and corridors. Key elements include:

- Central Corridor:** A prominent vertical corridor runs through the center, with multiple doorways leading to various rooms.
- Rooms:** Numerous rooms are shown, many of which are labeled with "1st Story", "2nd Story", or "3rd Story" to indicate their location. Some rooms have specific labels like "Classroom" or "Lecture Hall".
- Staircase:** A central staircase is located in the middle of the plan, providing access between the different floors.
- Roof Structure:** The left side of the plan shows a gabled roof structure, with the roofline extending across the top of the building.
- Labels:** The plan includes various labels for different parts of the building, such as "1st Story", "2nd Story", "3rd Story", "Classroom", "Lecture Hall", "Staircase", and "Roof".

The drawing is a detailed technical illustration, likely a reproduction of a historical architectural plan. It uses fine lines and shading to represent the building's structure and interior spaces.



This architectural section drawing illustrates a building's internal structure and layout. On the left, a staircase with a wooden railing leads to an upper level. The central part of the drawing shows a corridor and several rooms, each with large windows. The rooms are labeled 'N.A.' and 'P.A.'. The drawing also shows a bathroom with a toilet and sink, and a kitchen area with a stove and sink. The building's exterior is shown on the right, with a gabled roof and a chimney. The drawing is a detailed technical illustration of a building's interior and exterior features.



in rooms 1 and 4, showing the location of the inlet and outlet of grills, the former being provided with five-inch standard thermometers, sunk in the centres, to denote the temperature of the incoming air; the cutting away of ceiling joist in first story, showing the depth of floor beam, which will be more fully illustrated in the longitudinal section plan; and, by dotted lines, the water motor for propelling the exhaust fan, which stands just back of storage room in third story. In B B, a section through smoke, warm-air and exhaust flues of rooms 2 and 5, and exhaust flue from second-story corridor. These flues are of brick, with struck joints inside. The mixing valves in the W A flues are shown, one closed, taking all air from under the heater chamber, and one open, taking the air from the chamber; and their operating chains, by dotted lines, to their respective rooms. In C C, a section through the warm-air and hot-water heater in basement, the coat-stalls in first and second stories, and the receiving chamber and exhaust fan in third story. The location of inlet and outlet grills or openings has been carefully studied relatively to the size and shape of the several rooms and their exposure; and it will be observed in A A and B B that by carrying the flues the location of said grills or openings are the same in their respective rooms in each story. For convenience of space, the top of roof is cut away.

The longitudinal-section plan shows the construction of the second-story floor, of beams, and the ceiling of first story, of joists, entirely separate, thereby avoiding vibration of the ceiling from exercises in rooms above, and making a perfect deafener. In D D, a section through the exhaust flues, marked F A, of rooms 2 and 5; and in E E, through the heater and W A flue to room 3, and a portion of W A flue to room 6; the mixing valve being open, or to take air from top of heater chamber. Also a section through one of the boys' sanitariums, and its water supply, ventilation and drainage.

The front elevation gives the general style of architecture. The walls are of brick, with stone and terra-cotta trimmings; the roofs covered with block slate. The coping of the front gable intersects with the front and centre of the tower,

while the arch and coping of the front porch dies away on the side, and in perspective gives a pleasing effect.

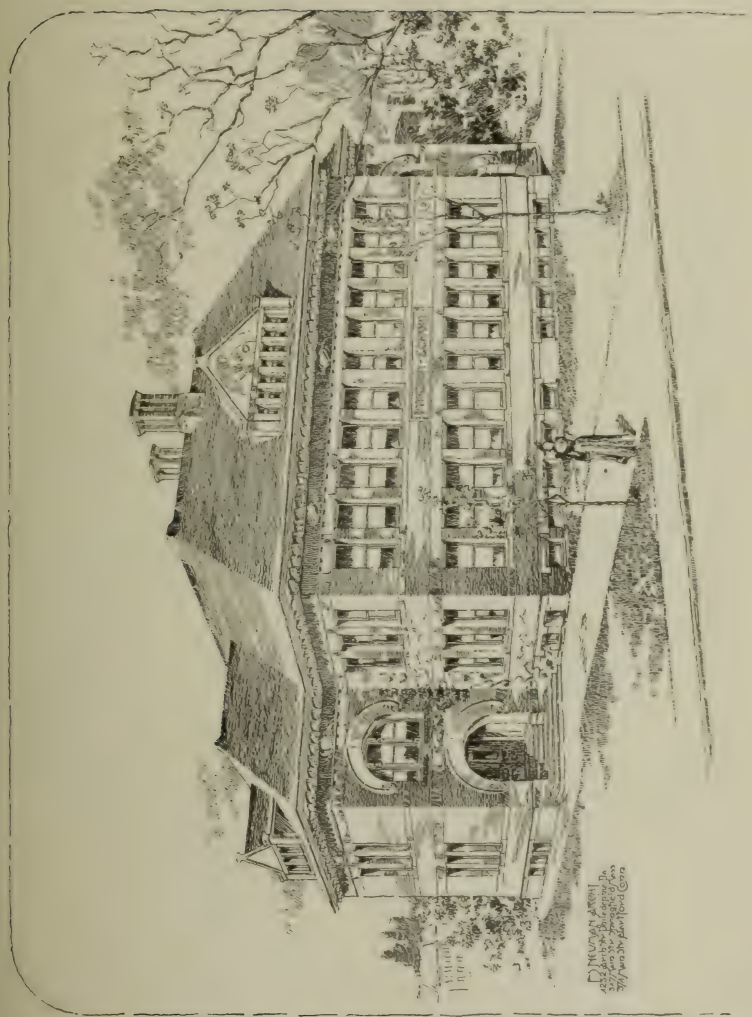
The arrangement and capacity of the flues, heaters and fan are such that, with low to medium speed of the motor, each room may be provided with from forty to sixty cubic feet of air per seat per minute, and without objectionable draughts; and the temperature in rooms controlled by their respective teachers. The ventilation of the sanitariums is of large capacity, and independent from the other system, making it positive at all hours; and, the flue for this system being in the tower, the height is such that the discharge is beyond complaint.

DESCRIPTION OF A SCHOOL BUILDING AT SPRINGFIELD AND A SYSTEM OF HEATING AND VENTILATING.

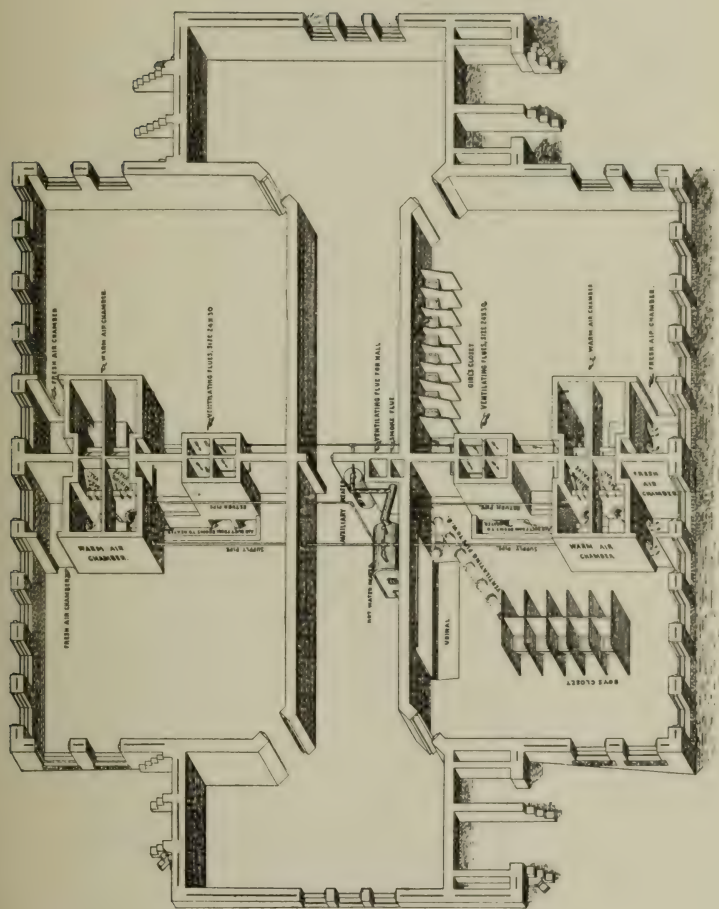
This school is a two-story brick structure, containing eight school-rooms and two reception rooms. It is finished in hard wood, and has a seating capacity of about four hundred. The outside walls are constructed with a two-inch air space in the centre of the wall. The partitions are of brick, and plastered with Winsor cement directly on the brickwork, thus avoiding all openings and small air spaces caused by furring, which in case of fire act as flues to conduct and spread the fire over the entire building. There are two stairways, entirely separate, as shown upon drawings. Each stairway is accessible from all parts of the building, independent of and from the other. In case of fire in one stairway, escape can be had from the other.

Heating.

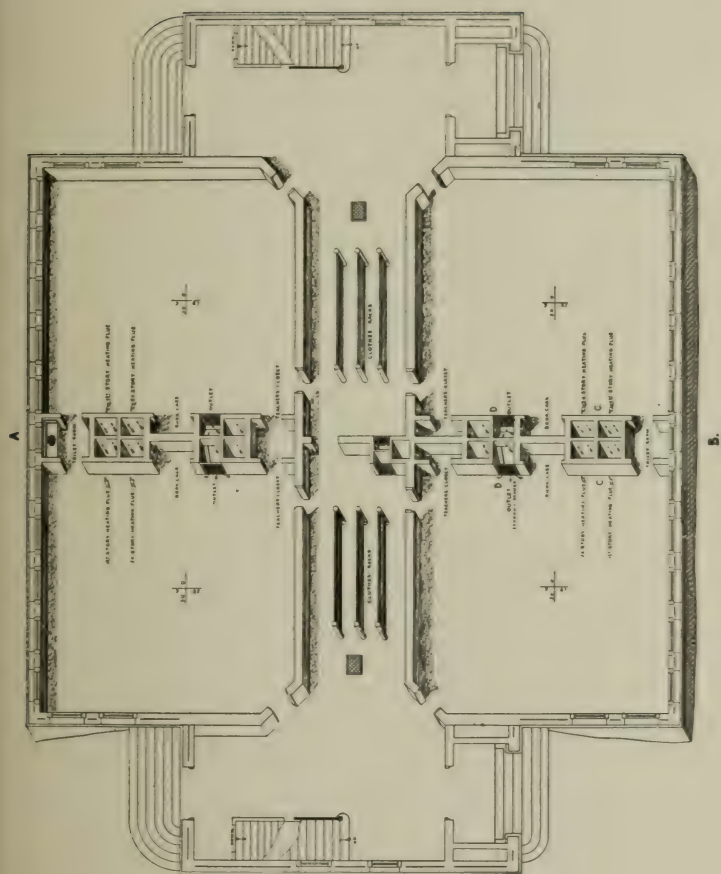
The heating is by a hot-water system, part direct, part indirect radiation. Each room has a separate hot-air chamber, as shown on basement drawings. Uniformity of temperature is thus secured throughout the building. Heat is carried to each room by brick flues 24 by 30 inches, the heat entering the room eight feet above the floor level, as shown on cross-section drawings. At the bottom of each of these warm-air flues there are two openings, as shown on basement drawings, one at top of warm-air chamber, where the mixing



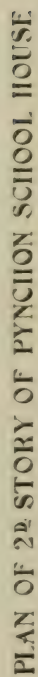
PERSPECTIVE DRAWING OF PYNCHON SCHOOL HOUSE
— SPRINGFIELD MASS. —



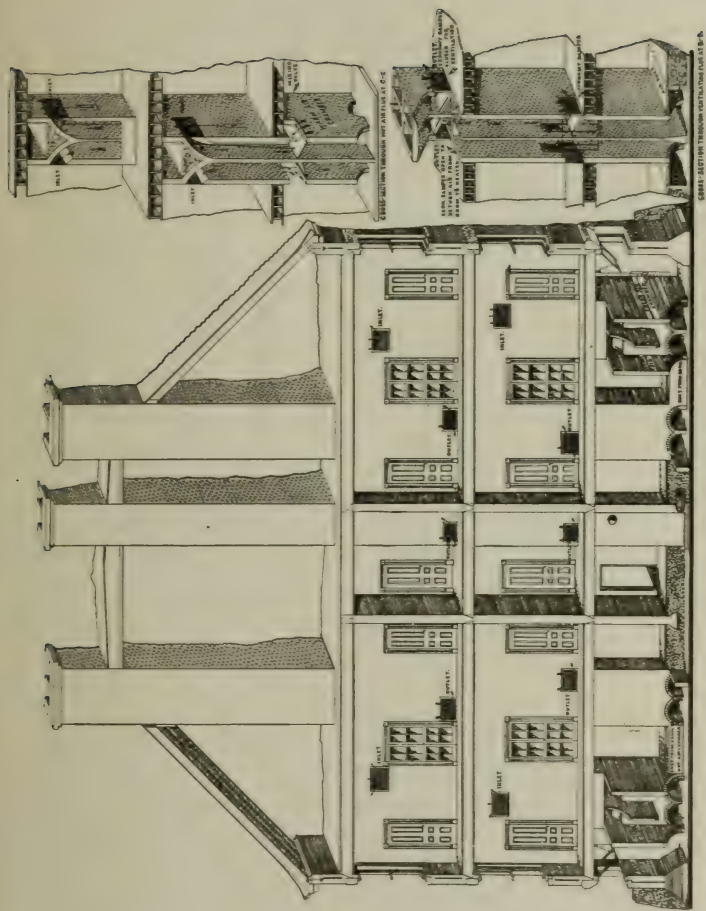
PLAN OF BASEMENT OF PYNCHON SCHOOL HOUSE



PLAN OF 1ST STORY OF PYNCHON SCHOOL HOUSE.



PLAN OF 2^D. STORY OF PYNCHON SCHOOL HOUSE



CROSS-SECTION AT A.-B. OF PYNCHON SCHOOL HOUSE

damper is located for admitting warm air, another at the bottom, for admitting cold air. In order to get the full benefit of the warm-air inlet, the top of flue at the entrance to each room is on a sixty-degree curve, as shown on cross-section drawings of warm-air duct.

There is a mixing valve or damper properly hung at the bottom edge of the inlet leading from the warm-air chamber to hot-air flue, as shown on basement drawings. This is supplied with chain and pulley that can be opened or closed in each room, enabling one to regulate the temperature without diminishing the fresh-air supply.

Each room will have about 500 feet of radiating surface, or, in other words, 1 foot of radiating surface to 20 cubic feet of air space to be heated in each room. Four hundred feet of indirect pipe radiation will be placed in hot-air chamber for each room, where shown on basement drawings, and 100 feet of direct pipe radiation is placed around the outer walls, auxiliary to this, for use in extremely cold weather. The radiators in warm-air chamber will be constructed of pipe placed about one and one-half inches apart, alternating over each other, the second row of pipe being placed over the opening between the first row, and the third between the opening in second row, and so on.

Ventilation.

Each room has a separate ventilating shaft, 24 by 30 inches, and located as shown on drawings. They will extend from two feet below the cellar bottom to a suitable height above the roof. The bottom of each shaft is connected with the warm air chamber by a brick duct, 24 by 36 inches, beneath the cellar bottom. The foul-air outlet from each room, located as shown on drawings, is level with floor line, the opening being 24 by 30 inches, covered with coarse wire netting. Opposite the centre of each of these outlets is placed an economy damper, so arranged as to cover each opening up or down, as shown on cross-section of ventilating shaft, and supplied with chains and pulleys in such a manner that it can be opened or closed in the basement. During school hours this damper will remain at the bottom, closing

the opening leading to the warm-air chamber in basement. The remainder of the time this damper may be raised, covering the outlet so that the air can pass from the room to the warm-air chambers, back to the room again. The air thus revolving results in a great saving of fuel.

Just above the foul-air outlet, inside of the flue, is placed a suitable radiator, connected with a small hot-water or steam heater, independent of the main heater; the pipes leading to these stack radiators to be also connected with the main heating apparatus, and arranged so that it can be shut off when desired. The small heater is designed for use in mild weather.

Sanitary Appliances.

The Demarest flushing-rim washout water-closet range, with automatic supply tank, is used. Two of these ranges are placed with the backs separated from each other about four inches, the back of the wood seat raised one inch from top of range. This opening is connected with a metal duct, which extends the entire length of range. In the four-inch space between the two ranges the metal duct is connected with a twelve-inch vitrified pipe, placed beneath the cellar bottom and connected with the smoke flue, as shown on basement plan. The urinal is constructed with a slate back and floor. The floor is bedded in Portland cement, on an incline toward the back, with an opening of four inches between the back and floor. Beneath this opening there is placed a cast-iron trough, laid on a proper grade, well bedded and lined with Portland cement. There is a thimble overflow at the lower end, properly trapped and connected with the sewer. This overflow extends up one and one-half inches above bottom of trough, thus leaving the trough partially filled with water. Above the trough behind the slate back is a foul-air flue, extending the entire length of urinal, and connected with same chimney as the closet through a vitrified pipe. A perforated water pipe is placed at or near the top edge of slate back, which keeps the back wet and the trough partially filled with water.



JOHN R. ROLLINS SCHOOL, LAWRENCE, MASS.

A MODEL SCHOOL BUILDING.

The John R. Rollins School — Detailed Description of the Imposing Structure on the Hill.

It is more than a year since ground was broken for the erection of this school, and its erection in some respects has been unnecessarily slow, but that it is well appreciated there can be no doubt.

As it stands on the very top of Prospect Hill, commanding a view of the entire city and miles of the surrounding country. It is a monument to the city's enterprise, and a fitting memorial of him for whom it was named.

The number of pupils already exceed the seating capacity, but as the rooms are sufficiently large more desks will be put into position.

The John R. Rollins School, as it is named, in honor of a mayor, a gallant soldier, a school superintendent and committeeman, stands at the corner of Howard and Platt streets. It is so situated as to give a frontage of 156 feet. The building is two stories in height, containing ten class-rooms, four teachers' rooms, principal's office and a large hall.

It is a handsome building, built of faced bricks, inlaid with red mortar. The trimmings are of North Conway granite, cut in the latest and most approved style. Beneath the planceer are copper cornices with projections of brick dentil work. The large groups of windows are encased in copper work. All the panes of the windows are set in copper mullions.

The roof, slated with dark Manson slate, is set to a pitch at 45 degrees. When within about four feet of the cornices, it curves slightly, beautifying its general appearance a great deal. Much benefit is derived from this curve, as it is the means of allowing much more light to enter the rooms on the second floor than would result from a strict slant roof. On this account the windows are nearer the ceiling, whence comes the benefit.

The ridge crestings and terminals are of copper, as also are the finals on the tower and ventilator. Small wire loops are so placed over the entire surface of the roof as to keep the snow from remaining.

Under the clock-room rests the bell, weighing between four and five thousand pounds. The bell is from the Blake Bell Company of Boston, and on it is the following inscription : —

THIS BELL CAST
FOR THE
JOHN R. ROLLINS SCHOOL,
LAWRENCE, MASS.
HON. ALVIN E. MACK,
MAYOR.

Each hour the bell peals forth in cheerful, delightful tones the time. A striker is also attached to the bell for the fire-alarm, and as the huge hammer strikes the number of the box it represents a force of several hundred pounds. The bell can also be rung by a rope, as a church or school bell, or as occasions may call for it.

The room wherein the clock works are is located directly beneath the belfry. The clock works are protected by a large partition, in which a large window is placed, allowing visitors to inspect the workings. An automatic attachment is arranged so as to turn on and off the lights which illuminate the clock at any time the arrangement is set for. The building contains six entrances, two on the Howard Street side, the face of the building, and four in the rear. The front entrances are through massive granite arches. In the rear, two entrances are from the first floor, and the remaining two from the basement, where the play-rooms are situated. The construction of play-rooms in the basement is a notable feature. The pupils will find these large, airy and spacious rooms very acceptable on stormy and cold days.

The sanitariums are also located in the basement. The scholars, in going to the basement from the school-room, pass out through the rear doors, descending a covered stairway, entering either door.

Ample provision has been made, in case of fire, by the construction of the six entrances, giving plenty of ways of exit.

The grounds in front of the building are to be cared for as a lawn, concrete walks going to the principal entrances, while the rear grounds are given up to the pupils for play.

On the northwest corner of the building, over the main entrance, the tower is located, being about 125 feet from the

ground to the top of the final. The principal's office, on the second floor, the belfry and clock-room are located in the tower.

Here is the illuminated clock, protected somewhat from the weather by large semicircular pediments of copper.

The clock is a Seth Thomas make, seven feet in diameter, being constructed in the best manner that workmen could make it. It is provided with a gravity escapement and compensating pendulum, zinc and steel. The cost of the clock was provided for by subscriptions collected from many residents in the ward by School Committeeman Crombie. Behind each of the four faces of the clock are incandescent electric lights of 32 candle-power. The total candle-power required to light is 128.

It is said by leading school authorities who have inspected the interior of the building that its workmanship and arrangements are second to none in the State. As well as being a beautifully constructed building it is based upon scientific principles. The plans were from the establishment of Architect George G. Adams, and completed under the direct supervision of James E. Allen, Mr. Adams' foreman. In the main entrance through the tower is a handsome bronze tablet on the north side of the large oak doors. The tablet contains the names of Henry P. Doe, mayor, members of the city government of last year and school board. From this entrance the main hall is entered. This corridor, being 18 feet wide, extends the entire length of the building through the centre from north to south, and in the north and south wings running east and west.

Between the two main entrances are two school-rooms, each 22x32 feet. Each wing also has two rooms of the same dimensions. In the end of either wing there is a room for supplies and a teachers' room. These rooms are furnished in a very appropriate style, supplying all the needs required, unlike many other school buildings.

Every part of the building is well lighted, no school-room being supplied with light for an amount less than one-fourth of the floor surface. The windows are so placed so as to have no bad effects on the scholars' eyes. Massive stairways lead to the second floor on both wings.

On the wall at the first landing in the north wing, leading to the principal's office, the following tablet is placed : —

In Memoriam,
JOHN RODMAN ROLLINS.
 A GALLANT SOLDIER. A PATRIOTIC CITIZEN.
 BORN 1817. DIED 1892.
 MAYOR 1857-58.
 SUPERINTENDENT OF SCHOOLS 1864.
 FOURTEEN YEARS A MEMBER OF THE SCHOOL
 COMMITTEE.

Rooms on the second floor are arranged precisely in the same manner as on the floor beneath. The entire central portion of the building is given up to a large hall, 50x60 feet, with a height of twenty feet. The rooms in the south wing and the large hall on this floor are not yet completed, only the plastering having been finished off roughly. They will be completed as soon as the demand for room necessitates.

In the tower, on this floor, the principal's room is located. It is 18 feet square. Speaking-tubes connect the room with all the school-rooms and the basement. Electric bells in the corridors and on the outside are rung from this room. Here an iron circular staircase leads up to the clock-room and belfry. All the rooms and corridors, with four-foot dados, are finished in North Carolina pine. Blackboards completely encircle each room, being made of slate. All of the architraves are panelled with blocks of the same. The woodwork of the interior is finished so as to show the natural grain of the wood. The bright and even coat of varnish sets this tint off with noticeable effect. The floors are of maple, in narrow stripes evenly matched. Just outside the door of each room wardrobes are placed in the corridors. In the erection of these wardrobes a new and improved plan has been adopted. Light partitions about 10 feet from the floor are placed, open at the bottom, on which are hooks for the hats and wraps of the scholars. No foul air can lodge anywhere in the wardrobes or in the corridors, there being no obstructions. The building is supplied with gas for dark days and evening-school work.

Great care has been taken to select a perfect ventilation system. In the basement are two large brick chambers, into which fresh air is forced by three fans, $3\frac{1}{2}$ feet in diameter

each. The air passes through coils of steam pipes, thus heating it and removing all the foul air. A large $5\frac{1}{2}$ -foot fan is at the very top of the building, which removes all the foul air from the rooms. The fans make it possible to cool the rooms in hot weather by forcing in cool air from the outside. The fans are run by a gas engine, manufactured by White & Middleton of Baltimore, Md.

In the heating of the school two systems are used. A 50-horse-power McCabe boiler sends heat directly into the radiators in the various parts of the building. Hot air is also used, being supplied in the same manner as the ventilation system. The air as it comes into the brick chambers is forced through pipes into hot-air boxes.

The rooms present a cheerful appearance, the desks and seats being of a bright color, while the teachers' desks are of a dark shade. In each room, a small closet, made into the room, is placed, where supplies can be kept. The radiators are gilded, as also are all of the steam pipes in many parts of the school. About 500 scholars can be accommodated when the entire building is ready for use.

THE SWEATING SYSTEM.

The conditions under which manual labor is performed, at least in this country, are continually changing. These changes are not necessarily improvements, although they may be so intended, and such as are injurious may be, and sometimes are, modified so that anticipated evils disappear or become neutralized. Then, again, what are admitted to be evils under existing conditions of labor were formerly entirely unknown.

The methods of manufacturing, as well as of business generally, are in a certain sense more complex than formerly.

Human advancement in material affairs is not always upon straight lines. In theory the interest of one is the concern of all. But self-interest easily develops into selfishness, and no man can be wholly trusted to care for the rights of another when his own rights come into competition therewith.

For examples, what can be more obvious than the fact that the introduction of machinery into the various fields of

industry has been an important factor in the history of mankind?

Every aspect of the life of wage-earners has been radically affected. To have some faint appreciation of this change, which really amounts to a revolution, consider how vast the gulf which lies between the primitive methods that were once universal in the manufacture of shoes and those which prevail now. The shoemaker wrought alone, or perhaps with an apprentice, in his little shop, with his kit of tools and small amount of stock. By hand labor wholly he turned out a few pairs of shoes, not remarkable for style nor finish, and at the end of the week took his work to the dealer. Now millions of cases are turned out annually from a multitude of factories, supplied with machinery adapted to providing the separate parts of the shoe and putting them together in fashionable forms; millions of capital are invested and scores of thousands of working people are employed. And if the shoemaker of half a century ago could witness the operation of a pegging or a lasting machine, he would doubt the evidence of his senses.

The system of subdivision of labor which prevails in all branches of manufacturing was wholly unknown in former times. Fifty years ago the house carpenter and the ship-joiner in their respective trades dealt, in the first instance, with lumber as it came rough from the saw-mill. They planed it to width and thickness; they tongued and grooved it; they made all mouldings and trimmings, sash and doors by hand labor. Now all that work is done at the mills. Machinery produces the principal part of the materials used in such construction, and those trades have been revolutionized in consequence.

The clothing business affords another instance of the facts stated. The manufacture of clothing is done under greatly changed conditions from those which formerly existed. To a considerable extent the work of cutting, making and finishing is farmed out to small contractors, whose help in many cases are ground and pulverized between the upper millstone of human greed and the lower one of physical necessity.

There are other classes of help in the clothing business further removed from the original sources of employment.

They are the tenement-house workers, among whom are found the worst evils of the sweating system. These great changes in the methods of production in almost every branch of industry have affected not only the quality of products, their prices, the profits thereof, and the channels of distribution, but, more seriously, have given a new and controlling impulse to the lives of all wage-earners; and no man is wise enough to foretell the final results of these fundamental industrial changes.

It is necessary to keep these facts in mind when we consider the so-called sweating system and the best way to eradicate its confessed evils. The most thorough investigation that has been made of this system, so dangerous to health and destructive to morals and comfort, was that set on foot by Congress a couple of years ago. A committee held numerous sessions in those large cities where the evils complained of had originated or taken the deepest root. New York, Philadelphia and Cincinnati were found to be the centres of the country where the system was most prevalent. It had begun to fasten itself upon the clothing business of Boston likewise; but it had not long been in operation in this Commonwealth when the most strenuous opposition to it was shown. The most stringent measures were taken at once to check the advance and, if possible, extirpate this enemy of the wage-earners.

It ought to be said that the practical difficulty in the way of dealing with the system, so far as its operation overlapped State lines, could only be effectually met by federal law. That is to say, clothing made in New York, for instance, under the most unsanitary conditions, might be shipped to Boston as a distributing centre, and it would be practically impossible to determine whether it was bringing to our State the germs of infectious diseases or was innocuous.

A law of the United States, uniform in its application, effective in its provisions and faithfully administered, seemed to be the only conclusive way of dealing with the "sweating system." But the enforcement of the law is rendered more easy and impartial if it has public opinion behind it; and this needed only the wide publicity that was given to the

facts that were brought out by the committee at its numerous sessions.

In the early stage of the investigation it was clearly shown that the evil was not diminishing in any of the large clothing centres, with the exception of Boston. One fact appeared in evidence furnished by a number of competent witnesses. It was shown that the law of Massachusetts was most vigorously and impartially executed, and had resulted in abating the system throughout the State, and especially in Boston, where its operations had been greatly restricted.

The contrary was shown to be the case in New York, owing in a measure to the fact that the officials to whom the enforcement of the law was entrusted were not paid employees, and consequently could not be held to such strict accountability, nor were they so attentive to their duties as those in Massachusetts.

It may be of interest in this connection to state that one of the witnesses before the congressional committee, who was one of the officers of the Garment Workers' Association, testified that one-half of the clothing made in New York was made under the "sweating system." He further testified that the alleged accommodations of the tenement-house workers were appalling.

It must be remembered that, in addition to the unsanitary conditions under which these extremely ignorant people work, their hours of labor are almost without limit, except such as may be imposed by the direst human necessity.

Meanwhile, awaiting such action by Congress as may be required in view of the whole situation, our Commonwealth has taken important steps towards the suppression of the "sweating system."

The Legislature of 1891 enacted the first law on the subject in chapter 357 of the Acts of that year.

The experience obtained by the enforcement of this statute showed the necessity of a revision of some of its provisions, and the last Legislature has enacted chapter 246 of the Acts of 1893, which reads as follows : —

[CHAP. 246.]

AN ACT RELATING TO THE MANUFACTURE AND SALE OF CLOTHING
MADEⁿ IN UNHEALTHY PLACES.

Be it enacted, etc., as follows :

SECTION 1. Whenever any house, room or place used as a dwelling, is also used for the purpose of carrying on any process of making, altering, repairing or finishing for sale any ready-made coats, vests, trousers, overcoats or any wearing apparel of any description whatsoever, intended for sale, it shall, within the meaning of this act, be deemed a workshop; and every person so occupying or having control of any workshop as aforesaid shall, within fourteen days from the passage of this act or from the time of beginning work in any workshop as aforesaid, notify the chief of the district police or the special inspector appointed for that purpose, of the location of such workshop, the nature of the work there carried on, and the number of persons therein employed; the exercise of such work in a private house or private room however by the family dwelling therein, or by any of them, shall not of itself constitute such house or room a workshop within this definition: *provided*, that such family or any member of such family engaged in the process of making, altering, repairing or finishing for sale any such coats, vests, trousers, overcoats or any wearing apparel of any description whatsoever, intended for sale, in a private house or private room used as a dwelling as aforesaid, shall before beginning such work procure a license, approved by the chief of the district police, upon the recommendation of the inspectors especially appointed for the enforcement of the provisions of this act; and no person, contractor, firm or corporation shall give to any person not holding said license any such garments or articles of wearing apparel, intended for sale, to be made in any private house or room as aforesaid; and every such workshop, and every such private house or private room shall be kept in a cleanly state and shall be subject to the provisions of this section; and each of said garments made, altered, repaired or finished for sale in any of such workshops, private houses or rooms shall be subject to the inspection and examination of the inspectors of the district police, for the purpose of ascertaining whether said garments or any of them, or any part or parts thereof, are in cleanly condition and free from vermin and every matter of an infectious or contagious nature.

SECT. 2. If said inspector finds evidence of an infectious disease present in any workshop, or in goods manufactured or in

the process of manufacture therein, he shall report the same to the chief of the district police, who shall then notify the state board of health to examine said workshop and the materials used therein; and if said board shall find said shop in an unhealthy condition, or the clothing and materials used therein to be unfit for use, said board shall issue such order or orders as the public safety may require.

SECT. 3. Whenever it shall be reported to said inspector, or to the chief of the district police, or to the state board of health, or either of them, that ready-made coats, vests, trousers or overcoats are being shipped to this Commonwealth, having previously been manufactured in whole or in part under unhealthy conditions, said inspector shall examine said goods and the condition of their manufacture, and if upon such examination said goods or any of them are found to contain vermin, or to have been made in improper places or under unhealthy conditions, he shall make report thereof to the state board of health, which board shall thereupon make such order or orders as the safety of the public shall require.

SECT. 4. Whoever knowingly sells or exposes for sale any ready-made coats, vests, trousers or overcoats which have been made in a tenement house used as a workshop, as specified in section one of this act, shall have affixed to each of said garments a tag or label, not less than two inches in length and one inch in width, upon which shall be legibly printed or written the name of the state and the city or town where said garment or garments were made.

SECT. 5. No person shall sell or expose for sale any of said garments without a tag or label, as aforesaid, affixed thereto, nor shall sell or expose for sale any of said garments with a tag or label in any manner false or fraudulent, nor shall wilfully remove, alter or destroy any such tag or label upon any of said garments when exposed for sale.

SECT. 6. Whoever violates any of the provisions of this act shall forfeit for each offence not less than fifty dollars nor more than one hundred dollars. [*Approved April 24, 1893.*]

The reports of the inspectors especially assigned for the enforcement of the statute above quoted will show the good results attending their efforts.

CODIFICATION OF STATUTES RELATING TO THE INSPECTION
DEPARTMENT OF THE DISTRICT POLICE.

An important law affecting the efficiency of this department, and contributing to the conscience and enlightenment of all concerned, is chapter 108 of the Resolves of 1893.

[CHAP. 108.]

RESOLVE TO PROVIDE FOR THE CODIFICATION OF CERTAIN STATUTES
WHICH THE INSPECTION DEPARTMENT OF THE DISTRICT POLICE
IS REQUIRED TO ENFORCE.

Resolved, That the attorney-general cause to be codified, consolidated and arranged all laws now in force relating to the regulation of the hours of labor in manufacturing and mechanical establishments, the attendance of children in schools, the inspection of factories, workshops and public buildings, and all laws which it is the duty of the members of the inspection department of the district police to enforce. Such codification, consolidation and arrangement shall be reported to the next general court on or before the second Wednesday in January next. There shall be allowed and paid out of the treasury of the Commonwealth, in order to carry out the provisions of this act, such sums as the governor and council may approve and allow. [*Approved June 9, 1893.*]

APPEALS FROM THE ORDERS OF THE INSPECTION DEPARTMENT.

It has been my policy, while insisting that the work of inspection by my officers shall be as thorough and impartial as possible, and that the orders issued shall be reasonable and in no sense oppressive, to insist also that any person or corporation violating the laws in relation to inspection shall render prompt and complete obedience. While requiring compliance with the statutes in such cases, I have been careful to avoid unnecessary friction.

Soon after the statutes in relation to ventilation of school-houses and other public buildings went into effect, it became apparent that unless the inspectors were willing to temporize and concede more than in fairness and justice could

be done they might expect local opposition to the enforcement of the law. The opposition in question was limited to very few localities, but it was sufficiently active to secure amendments to the inspection laws, which provided in certain cases a right of appeal. After one or two attempts to avoid and annul certain orders of the inspectors the right of appeal therefrom seems to be no longer exercised.

THEATRES.

Section 90, chapter 419 of the Acts of 1892, contains the following provision of law relating to the erection of theatres in the city of Boston. It reads as follows : —

In all theatres hereafter erected the level of the stage above the street level shall not exceed five feet.

This wise provision of law should be incorporated into the inspection laws, which are especially entrusted to the inspectors of this department to enforce.

It has been reported to me by the inspectors that in many cases the owners or architects erecting or altering buildings intended to be used for theatrical purposes have located the auditorium upon the second or third floor of the building. This practice should be prevented by the most stringent law. The appalling loss of life occasioned by the burning of the theatres at Brooklyn, N. Y., at Vienna, Paris, and at Exeter, England, can be prevented by timely precautions.

The means of egress from all theatres should be as direct as possible. The descent of a flight of stairs from a crowded theatre in case of fire or panic can be better imagined than described.

So many sad accidents have been chronicled all over the land attributable to the lack of means of escape from burning buildings that it would seem that no rational doubt could exist as to the positive necessity of this provision of law in relation to the erection or alteration of buildings intended to be used as theatres.

RECOMMENDATIONS.

That the following provision be added to chapter 316 of the Acts of 1888 : —

First. That in all theatres hereafter to be erected or buildings altered for theatrical entertainments the level of the stage above the street level shall not exceed five feet.

Second. The licensing of all persons having charge of steam boilers under pressure, and the inspection of boilers at stated periods, unless insured in some boiler-inspection company duly authorized by law to do business in this State.

Third. That section 1 of chapter 307 of the Acts of 1890 be amended so as to include lodging-houses containing ten or more rooms above the second story.

REPORTS OF DISTRICT OFFICERS.

Instead of summarizing the reports made to me by the officers in this department, I believe a better knowledge of the character and extent of work accomplished can be gained by printing the most important parts precisely as they are stated by the officers. The subjects are well treated and the suggestions made are interesting.

REPORT OF INSPECTOR WHITE.

I have the honor to make the following report of the work done by me in the inspection of factories and public buildings since my last annual report : —

Under instructions received, this report is, as far as practicable, submitted in a tabulated form ; but there is, of course, a large part of the work that cannot be exhibited in this way. For instance, I find that, in addition to the examination of plans and inspection of buildings, as shown in the tabulated reports, I have made 268 visits to buildings in various parts of my district for the purpose of testing ventilation or seeing that orders or suggestions given by me were properly carried out, and, in quite a number of instances, to examine buildings represented by the local authorities to be in a dangerous condition. For every examination of a dangerous building and every inspection of ventilation, when requested by the local authorities, a special report has, of course, to be filed in this office.

Consultations with owners, architects and contractors, in regard to plans and other matters, have been so numerous that I have not endeavored to keep any record of their number.

The law of 1893, chapter 199, so amending chapter 316, Acts of 1888, as to require architects as well as owners to see to it that plans of buildings are deposited in this department, has worked excellently well.

In all the matters of egress and ventilation it is very important that proper means should be considered in planning the building. By having the plans deposited here in proper season we can suggest the necessary changes before the contracts are made, and thus many times we save owners expense that would be necessary in making such changes after the building is in process of construction.

I have noticed during the past year a very much better feeling among not only architects, but owners and building committees, in regard to the question of ventilation. When the law requiring good ventilation in school buildings was passed, in 1888, I think the general feeling among those who were compelled to give the subject any consideration was that ventilation was a sort of scientific puzzle which nobody had yet solved. The work done in the five years since that law went into effect has shown that the problem is a far simpler one than was generally supposed, and that at least fair ventilation in our school-rooms can be easily secured, and at a not unreasonable expense. Of course there is more or less experimental work to be done, and this is often necessary in adapting a known successful system to differently arranged buildings, and the results of such experimental work are less certain than when the work can be laid out on well proven lines. But I think it may be safely said that failures to secure good ventilation, where the work is planned by any one having a thorough knowledge of what has been done in that line, are less frequent than are failures to satisfactorily heat buildings where no ventilation is attempted; and this in face of the fact that our contractors have had fifty years' experience in the present methods of heating and less than five years' experience in the more recent methods of ventilation. Certainly this is encouraging work, in view of which we may feel that the State legislation was wise and timely.

It is becoming quite common for architects and owners to consult this department in regard to their buildings before their plans are fully decided upon. Suggestions of changes made by me at such times I have this year included in the column under that head.

Very great progress has been made under the present law in the matter of preventing the spread of fire in buildings. Fire-stops, if properly put in, greatly retard the work of fire. I have been told that at a large fire which occurred in one of our larger cities, a five-story brick factory fell in in seventeen minutes after the fire first began in the building. If the fall of this building could have been delayed for one hour much adjoining property might have been saved.

If insurance companies could see their way clear to make special low rates on such buildings as are certified by an inspector to be provided with proper fire-stops it would aid very much in carrying out this important improvement in construction.

Plans Deposited and Changes Recommended.

[Chapter 316. An Act to regulate the erection and construction of certain buildings.]

DISTRICT No. 1. JOHN T. WHITE, *Inspector.*

BUILDING.	Location.	Changes Recommended.
School,	Pepperell.	- -
Harvard Observatory,	Cambridge.	- -
St. Jean Baptiste,	Haverhill, . . .	Fire-stops.
Associates Building,	Lowell,	Doors on gallery floor.
Hayes' Factory,	Lowell,	Fire-escape.
McDonald's Tenement,	Somerville.	- -
Gouch School,	Melrose,	Fire-stops.
Church Notre Dame de Pitie, . .	Cambridge, . . .	Fire-stops.
Mount Sinai Building,	Cambridge, . . .	Fire-stops and fire-proof curtain.
St. Mary's School,	Salem,	Fire-stops.
Wesley Church,	Haverhill.	- -
Webster Building,	Gloucester, . . .	Better escape from fire; fire-stops.
Usher Building,	Medford,	Fire-stops.
Tower Hill School,	Lynn.	- -
Black's Block,	Reading.	- -
Boston Woven Hose Co.,	Cambridge, . . .	Two fire-escapes.
Richardson's Block,	Malden,	Fire-escape.
Crescent Hall,	Arlington, . . .	Fire-stops.
Longfellow,	Cambridge.	- -
Glazier & Dutton,	Cambridge.	- -
Litchfield's Block,	Somerville, . . .	Door on second floor.
Harlow's Tenement,	Cambridge.	- -
Gilbert Hospital,	Gloucester, . . .	In ventilation and fire-escapes.

Plans Deposited, etc. — Continued.

BUILDING.	Location.	Changes Recommended.
Keefe's Tenement,	Everett.	- -
School,	Cambridge.	- -
High School,	Arlington.	- -
Henderson Brothers,. . . .	Cambridge, . . .	Two fire-escapes; fire-stops.
Chelmsford Street School, . .	Lowell,	- -
Nossa Senhora Church, . . .	Gloucester, . . .	Changes in egress.
Gilman's School,	Cambridge, . . .	Changes in ventilation.
Petterson,	Cambridge, . . .	Fire-stops.
Town Hall,	Essex.	- -
Pickering School,	Salem,	Slight changes in egress.
Ward 4 School,	Salem.	- -
Town Hall,	Manchester.	- -
Abbot Village School,	Andover,	Changes in ventilation; doors to open out.
Oakland School,	Lowell.	- -
Sweeney Building,	Lawrence, . . .	Changes in egress.
W. T. Gibson,	Everett,	Change in stairs; fire-stops.
Hastings' Tenement,	Cambridge.	- -
Stirrirt's Tenement,	Cambridge.	- -
Avon Home,	Cambridge, . . .	Fire-stops and fire-escapes.
Appleton Asylum Building, . .	Belmont.	- -
Belknap Asylum Building, . .	Belmont.	- -
Women's Asylum Building, . .	Belmont.	- -
State Almshouse,	Tewksbury, . . .	Changes in fire-escape.
High School,	Tewksbury, . . .	Changes in ventilation.
Men's Asylum,	Belmont.	- -
Currier School,	Methuen,	Changes in ventilation.
Arlington School,	Methuen,	Changes in ventilation.
St. Joseph's Hall,	Somerville, . . .	Changes in egress.
Town Hall,	Concord.	- -
Dormitory Tufts College, . . .	Somerville.	- -
Cove School,	Beverly,	Changes in ventilation.
Boston Rubber Shoe Company, .	Malden.	- -
Union Church,	Concord.	- -
Bingham School,	Somerville.	- -
Administration Building, McLean Hospital.	Belmont.	- -
Glendon Club,	Everett,	Stairs widened; fire-escape.
School,	Ayer.	- -
Unitarian Church,	Medford.	- -

Plans Deposited, etc.—Concluded.

BUILDING.	Location.	Changes Recommended.
Orphan Asylum,	Salem,	In balcony stairways.
Odd Fellows' Hall,	Salem,	In fire-escape.
Gloucester Athletic Association, .	Gloucester,	Fire-escape.
Morse Building,	Cambridge.	- -
Porter's Dormitory,	Cambridge.	- -
Bromfield & Pearson School, . .	Medford.	- -
Theta Delta Chi Club,	Somerville.	- -
Whiting Apartment-house, . . .	Somerville.	- -
School,	Danvers.	- -
McKay Fastening Co.,	Winchester,	Ways of egress.
Universalist Church,	Beverly.	- -
C. D. Cole Tenement,	Cambridge.	- -
Jordan & Christie,	Malden,	Partitions around stairways.
Belknap Mass. General Hospital, .	Belmont.	- -
Amusement Hall,	Belmont.	- -
St. Michael's Church,	Marblehead.	- -
Perkins' Hall,	Cambridge.	- -
Waverly School,	Belmont,	Change in doors.
T. F. Walsh's Tenement,	Cambridge.	- -
State Almshouse, Men's Dormitory,	Tewksbury,	Change in fire-escape.
Conant Hall,	Cambridge.	- -
Sears' Tenement,	Somerville.	- -
Smith's Block,	Gloucester,	Fire-stops; fire-escape.
Hancock Church,	Lexington.	- -
Butler School,	Lowell.	- -
J. P. Squire,	Cambridge.	- -
Baptist Church,	Everett,	Change ducts to metal.
State Normal School,	Salem.	- -
Congregational Church,	Rowley.	- -
Truant School,	Chelmsford,	Two additional inside doors.
Hapgood Building,	Everett,	Fire escape and fire-stops.
Stoneham Athletic Club,	Stoneham,	Fire escape and fire-stops.
Littlefield Block,	Acton,	Fire-escape and fire-stops.
A. W. Gove's Tenement,	Cambridge.	- -
Bond School,	Saugus,	Doors to open outwardly.

*Report of Buildings Inspected.*CLASS NO. 1, DISTRICT NO. 1. JOHN T. WHITE, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Bedford.		
Bedford Hotel,	Ropes in rooms and fire-escape,	Partly com- plied.
Springs Hotel,		
Belmont.		
Centre School,		
Cambridge.		
American Rubber Co.,	Fire-escapes,	Complied.
C. P. Keeler & Co.,	Fire-escapes,	Complied.
City Almshouse,	Better protection from fire.	-
Place's Factory,	Additional stairway,	Complied.
McGilvray's Tenement,	Fire-escape,	Complied.
Danvers.		
Peabody Institute,	Changes in seats,	Complied.
Everett.		
G. A. R. Hall,	Fire-escape and doors to open out,	Complied.
Town Hall,		
Broadway Hall,	Fire-escape,	In process.
Masonic Hall,	Fire-escape,	In process.
McClune Cycle Co.,	Fire-escape,	Complied.
Lowell.		
Foresters' Hall,		
Unitarian Church,	Better escape from fire,	Complied.
Lexington.		
Village Hall,	Doors to open out,	Complied.
Malden.		
Barrett's Opera House,	Fire-proof curtain; better protection from fire; changes in egress.	Complied.
Kernwood Club,	Fire-escape,	Complied.
Somerville.		
Studio Building,	Fire-escapes; doors to open out; means for extinguishing fire.	Complied.
Sprague & Hathaway,	Two fire-escapes,	Complied.
Clarendon Hall,	Floor to be strengthened,	Complied.
The Woodbridge,	Rope fire-escapes,	Complied.
Y. M. C. A. Hall,	Plans to be furnished,	Complied.
Medford St. Market,	Better escape from fire,	Complied.
Prescott School,	Better protection from fire,	Complied.
Saugus.		
Fourth Intermediate School,	Sanitariums to be provided; better ven- tilation; better protection from fire.	Complied.
Stoneham.		
Maker's Hotel,	Rope escapes in rooms,	Complied.
Langwood Park Hotel,	Rope escapes in rooms,	Complied.
Tewksbury.		
State Almshouse,	Fire-escapes and protection from fire,	Partly com- plied.
Wakefield.		
Almshouse,	Fire-escape,	Complied.
Woburn.		
Almshouse,	Better escape from fire,	Complied.
Cummings School,	Better sanitariums; better ventilation.	-
Winchester.		
White's Hall,	Fire-escape,	Complied.
Y. M. C. A. Hall,		

REPORT OF INSPECTOR MOORE.

In making report of the work done by me under the requirements of chapter 149, 316 and 426, Acts of 1888, much of it cannot be reported in detail, having been of an advisory nature with committees, owners, architects and builders, and in the examination of buildings in process of construction or alteration, or reported as unsafe. Providing proper ventilation for schools, churches and public buildings, and the examination of this work, also drawing plans, has taken considerable of my time, but is of such a nature that it cannot be reported in detailed or tabulated form. A number of school buildings have been completed, but, owing to the mild weather prevailing up to the date of making this report, full examinations have not been made, although most of them give indications of good results. Great improvement is noticed in the class of buildings erected, especially in school buildings, and the beneficial effects of the laws relating to this class of buildings are very apparent.

New school buildings have been or are being erected, and old ones much improved, in Avon, Brookline, Braintree, Canton, Dartmouth, Dedham, Dighton, Fall River, Framingham, Medfield, Mansfield, Marlborough, Milton, New Bedford, Norwood and Wellesley.

Plans Approved and Changes Recommended.

[Chapter 316. An Act to regulate the erection and construction of certain buildings.]

DISTRICTS NOS. 2 AND 3. JOSEPH A. MOORE, *Inspector*.

BUILDING.	Location.	Changes Recommended.
Methodist Episcopal Church, . . .	Brookline, . . .	Doors open out; fire-stops.
Manual Training School, . . .	Brookline, . . .	Cold-air room, built of brick.
School-house,	Braintree (East), . .	Changes in ventilation.
Ponkapoag School,	Canton,	Fire-stops.
Town Hall (addition),	Dover,	Fire-escape; fire-stops.
Poor Farm Building,	Dedham (West), . .	Change in ventilation.
Town Hall,	Dartmouth.	- -
School-house,	Dartmouth.	- -
Casino,	Dartmouth (Non-quit).	- -
School-house,	Dighton (North).	- -
Methodist Church,	Dighton.	- -
Swedish Lutheran Church, . . .	Easton (North), . .	Fire-stops.
Baptist Church,	Easton,	Doors open out; better egress from gallery; fire-stops; strengthen roof.

Plans Approved, etc. — Continued.

BUILDING.	Location.	Changes Recommended.
Dean Academy Gymnasium, . . .	Franklin, . . .	Fire-stops and fire-escape.
High School (addition), . . .	Framingham Centre,	Fire-stops; ventilation changed.
Second Primitive Methodist Church,	Fall River, . . .	Fire-stops; better egress.
Osborn Street School, . . .	Fall River.	- -
St. Joseph's Orphanage, . . .	Fall River, . . .	Ventilation changed.
St. Vincent's Orphans' Home, . .	Fall River, . . .	Doors open out; stand-pipe and hose.
Foresters' Association Building, .	Fall River, . . .	Change doors; fire-stops.
St. Matthew's Church, . . .	Fall River.	- -
Brownell Street Chapel, . . .	Fall River.	- -
Buffington Street School (addition),	Fall River, . . .	Fire-stops.
Four-room School, . . .	Fall River (Flint Village).	Fire-stops.
Eight-room School, . . .	Fall River (Eight Rod Way).	Fire-stops.
Christ's Church, . . .	Hyde Park.	- -
Bolton Street School, . . .	Marlborough, . .	Change in ventilation.
Green School (ventilation), . . .	Mansfield.	- -
Administrative Building, Insane Asylum.	Medfield, . . .	Fire-escapes; means of extinguishing fire; safer construction of partitions, etc.; fire-stops; ventilation disapproved.
Four Buildings, Class A, Insane Asylum.	Medfield, . . .	
Four Buildings, Class B, Insane Asylum.	Medfield, . . .	
Catholic Church, . . .	Medfield, . . .	Fire-stops.
Dormitory Milton Academy, . . .	Milton, . . .	Fire-escapes; fire-stops.
Mattapan School (alteration), . .	Milton, . . .	Fire-stops.
Grange Hall, . . .	Millis, . . .	Fire-stops; ventilation not approved.
Millis County Hall, . . .	Millis, . . .	Additional egress.
Primary School (addition), . . .	Natick (South), .	Fire-stops; change in ventilation.
Church of Messiah, . . .	Newton (Auburndale).	Doors open out.
Industrial Training School for Boys,	Newton (Hilllands).	- -
Convent, . . .	Newton, . . .	Fire-stops, fire-escapes; means of extinguishing fire.
Nurses' Home, Cottage Hospital, .	Newton, . . .	Means of extinguishing fire.
Congregational Church, . . .	Newton (Newtonville).	- -
Swedenborgian Church, . . .	Newton (Newtonville).	- -
Mellen Bray's Block, . . .	Newton (Centre), .	Change in hall ventilation.
Merchants' National Bank Building,	New Bedford.	- -
St. Mary's Home, . . .	New Bedford.	- -
St. Hyacinth Church, . . .	New Bedford.	- -
Acushnet Avenue School (addition),	New Bedford.	- -
Quincy and Boston Street Railroad Company's Building.	Quincy.	- -
Female School, . . .	Quincy.	- -

Plans Approved, etc. — Concluded.

BUILDING.	Location.	Changes Recommended.
Swedish Lutheran Church, . . .	Quincy.	- -
I. O. O. F. Building,	Stoughton, . . .	Fire-stops; additional egress.
C. A. Swan's Block,	Stoughton, . . .	Additional egress.
Winthrop Club House,	Taunton,	Fire-stops.
Manheim Block,	Taunton.	- -
Lunatic Hospital, East Wing, . . .	Taunton.	- -
Lunatic Hospital, West Wing, . . .	Taunton.	- -
Taunton Theatre,	Taunton,	Fire-escapes; fire-stops; means of extinguishing fire; asbestos curtain.
I. O. O. F. Building,	Taunton,	Fire-stops; additional egress.
First Baptist Church (alterations),	Waltham, . . .	Fire-stops; doors open out.
Catholic Church,	Watertown (East),	Change in ventilation.
Two-room School,	Wellesley (Lower Falls).	Fire-stops.

*Report of Buildings Inspected.*CLASS No. 1, DISTRICTS Nos. 2 AND 3. JOSEPH A. MOORE, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Avon.		
Littlefield School,	Better ventilation,	Complied.
Braintree.		
Union School,	Protect stairways,	Complied.
Odd Fellows' Hall,	New fire-escape; fire stops; means of extinguishing fire; remove oil from under main entrance.	In process.
Iron Works School,	Better ventilation.	-
Monatiquot School,	No orders.	-
Dedham.		
High School,	Improve sanitaries,	Complied.
Avery School,	No orders.	-
Easton.		
No. 2 School,	No orders.	-
Fair Haven.		
Millicent Library,	No orders.	-
Fall River.		
Anawan Street School,	Special report to Public Property Committee.	-
Town Avenue School,	Special report to Public Property Committee.	-
Canal Street School,	Special report to Public Property Committee.	-
Bedford Street School,	Special report to Public Property Committee.	-
Cash Street School,	Special report to Public Property Committee.	-
Flint Street School,	Special report to Public Property Committee.	-

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Fall River — Con.		
Lincoln School,	Special report to Public Property Committee.	-
St. John's Hall School,	Special report to Public Property Committee.	-
Third Street School,	Special report to Public Property Committee.	-
Broadway School,	No orders.	-
Framingham.		
Elmwood Opera House,	Fire-escape; fire-stops; change door; rail stairway; remove combustible material.	Complied.
Franklin.		
High School,	No orders.	-
Foxborough.		
Centre School,	No orders.	-
Hudson.		
Myrtle Avenue School,	No orders.	-
Maynard.		
New School-house,	No orders.	-
Marlborough.		
Washington School,	Special report to Committee.	-
Medway.		
School-house No. 1,	No orders; ventilation not approved.	-
Old High School,	No orders; ventilation not approved.	-
Milton.		
New Dormitory, Milton Academy,	No orders.	-
Newton.		
Stevens Building,	Make fire-escape safe; change doors; guard steam pipes; means of extinguishing fire; remove rubbish.	In process.
New Bedford.		
Cedar Grove Street School,	Special report to Committee.	-
North Attleborough.		
Mount Hope School,	No orders.	-
Norwood.		
Everett School,	Better ventilation,	Complied.
North School,	Special report to Committee.	-
Guild School,	Special report to Committee.	-
Quincy.		
Lincoln School,	Special report.	-
Quincy & Boston Street R.R. Co.'s Building,	Better egress; means of extinguishing fire; remove combustible material.	Complied.
Sharon.		
Center School,	No orders.	-
Stoughton.		
High School,	Special report.	-
Sudbury.		
High School,	Special report to Committee.	-
Taunton.		
Armory Hall,	Better egress; means of extinguishing fire; remove rubbish.	Complied.

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Upton.		
Knowlton Hall and Hotel Pleasant,	Change doors; rope fire-escapes; means of extinguishing fire.	Complied in part.
Knowlton's Straw Factory, . . .	No orders.	-
Town Hall,	No orders.	-
Watertown.		
Union Market Hotel, . . .	Rope fire-escapes; notices; means of extinguishing fire.	Complied.
Old Bird Tavern,	Strengthen building; fire escape; means of extinguishing fire.	In process.
Waltham.		
Park Theatre,	No orders.	-
Roberts School,	No orders.	-
Wayland.		
Town Hall,	Better egress,	Complied.
Weymouth.		
Hunt School,	Better ventilation.	-
Wrentham.		
Centre School,	No orders.	-

REPORT OF INSPECTOR BROWN.

I have the honor to herewith submit my tabulated report of buildings inspected and orders given, which, with meeting, consulting and advising with the architects and owners of buildings, and advising with the committees on the ventilation and sanitation of their school buildings, have comprised my duties during the past year.

By your direction, early in the season I visited the public institutions of the several cities and towns of my district, with a view to improving their ways of egress in case of fire, and to recommend any other changes that might tend to better protect the safety of their inmates. Quite a number of buildings, particularly almshouses, have been provided with additional and approved ways of escape, such as broad piazzas connecting with stairways to the ground, those in authority not only being willing to provide everything that I requested, but in several instances suggested more liberal arrangements than I had felt justified in recommending, so anxious were they that every possible precaution should be taken that might prevent any unfortunate person in their charge from being injured in case of a sudden fire.

The act requiring knotted ropes or better appliances to be placed in the sleeping-rooms of hotels for use as fire-escapes is generally complied with, the exceptions being some of the summer boarding-

houses, whose proprietors are not licensed as innholders, and who claim that their houses do not come within the provisions of this statute. Where I have found a register of the guests being kept I have required the ropes to be provided, in accordance with the terms of the statute, but it requires frequent and more than annual inspections to keep this law well enforced, for many of these summer houses change their proprietors often, and one that to-day is found to be simply a boarding-house, with no register kept, may on the next visit be a regular licensed hotel. If this act should be made to include boarding-houses as well as hotels it would afford protection to a numerous class whose safety from fire is now very inadequately provided for.

The act requiring proper and suitable ways of egress in case of fire, in both public and manufacturing buildings, has been well looked after and enforced, and all orders and recommendations for both new and old buildings have been cheerfully complied with. I do not recollect a single objection or remonstrance having been made to anything that I have thought necessary to be provided to insure the safety of the occupants of any building.

The act which requires that a copy of the plans of certain buildings be deposited with the inspector of the district in which the building is to be constructed, to meet with his approval, is, in consequence of the amendment of last season, now well complied with, and the sagacity of this act is unquestioned, as the fire-stops in the walls and partitions, fire-resisting stairways and other precautionary measures required render the buildings of such slow combustion as to afford every occupant ample time to escape.

During the past year new school buildings have been completed in Brockton, Hull, Marshfield, Orleans, Provincetown, Rockland, Revere, Scituate, Whitman and Winthrop, all of which have been provided with modern and satisfactory means of ventilation, while in Abington, Chelsea and Hingham various old school-houses have been well ventilated in an approved manner.

In conclusion, I am pleased to be able to add that all my relations with those with whom my official duties have brought me in contact have been harmonious and without friction. I have found the many school committees practically unanimous in favoring good ventilation in their school-houses, the manufacturers desirous of doing whatever they can to protect their employees from injury, and the owners of public buildings willing to provide every reasonable precaution to insure the safety of those who frequent their buildings.

*Report of Buildings Inspected.*CLASS No. 1, DISTRICT No. 4. EDWIN Y. BROWN, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Abington.		
Dunbar Street School-house, . . .	To provide better ventilation and improve the sanitary arrangements.	Complied.
Culver House,	No orders.	-
Keene's Hotel,	No orders.	-
Centennial House,	No orders.	-
Standish Block,	To provide means to extinguish fire in halls.	Complied.
Cleverley's Block,	To provide means to extinguish fire in halls.	Complied.
Bridgewater.		
State Workhouse,	To provide additional ways of egress in case of fire.	-
State Insane Asylum,	To provide additional ways of egress in case of fire.	-
Town Almshouse,	To provide additional ways of egress in case of fire.	Complied.
Town Hall,	No orders.	-
High School Building,	No orders.	-
Hyland House,	No orders.	-
Normal School Building,	No orders.	-
Normal Hall,	No orders.	-
Woodward Hall,	To provide additional ways of egress in case of fire.	Complied.
Brockton.		
Hotel Belmont,	Notices in sleeping-rooms,	Complied.
Metropolitan Hotel,	No orders.	-
Hotel Elmore,	To provide more portable fire escapes and repair electric gong.	Complied.
Hotel Crescent,	No orders.	-
Holbrook House,	Torn down to build on the site.	-
Winslow House,	No orders.	-
Tremont House,	Two rooms provided with knotted ropes.	Complied.
Campello House,	No orders.	-
Central House,	No orders.	-
City Hotel,	No orders.	-
Hotel Aldine,	No orders.	-
Hotel Hamilton,	For portable fire escapes in sleeping-rooms.	Complied.
Almshouse,	To continue fire-escapes to third story, and means to extinguish fire.	Complied.
Whitman & Keith's Shoe Factory, . .	No orders.	-
M. F. Thomas' Shoe Factory, . . .	No orders.	-
Walter, Taylor & Co.'s Shoe Factory.	No orders.	-
Edwin Keith's Shoe Factory, . . .	No orders.	-
Churchill & Alden's Shoe Factory, .	Fire-escape at rear of new ell, . .	Complied.
Howard & Foster's Shoe Factory, . .	Fire-escape at rear of new addition, .	Complied.
E. H. Reynolds' Shoe Factory, . . .	For fire escape,	Complied.
E. M. Lowe's Box Factory,	For two fire escapes,	Complied.
City Rink,	To provide better ways of egress in case of fire.	Complied.
Elm House,	Not rooms enough to come within the inspection law.	-
Glover House,		
Winthrop House,		
Thorndike House,		
Centre House,		
Arlington House,		
Garfield House,	No orders.	-
High School-house,		
Huntington School-house,		
Union Street School-house,		
Howard School-house,		
Kingman School-house,		
Prospect Street School-house,		
Perkins School-house,		
Whitman School-house,		
Belmont School house,		

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Chelsea.		
Haskell's Bedding Factory,	For an additional stairway from 4th floor, and to enclose stairway at easterly end.	Complied.
City Hotel,	-	-
Broadway House,	-	-
Central House,	-	-
Masonic Building,	To remove combustible material from under stairway.	Complied.
High School Building,	No orders.	-
Cary School Building,	No orders.	-
Soldiers' Home,	No orders.	-
Cohasset.		
Almshouse,	No orders.	-
Town Hall,	No orders.	-
Osgood School-house,	No orders.	-
Black Rock House,	No orders.	-
Duxbury.		
Town Hall,	No orders.	-
Almshouse,	No orders.	-
Partridge Academy,	No orders.	-
Standish House,	No orders.	-
East Bridgewater.		
Almshouse,	No orders.	-
High School,	No orders.	-
Nutter's Block,	No orders.	-
Masonic Building,	No orders.	-
Halifax.		
Town Hall,	No orders.	-
Hanover.		
Town Hall,	No orders.	-
Almshouse,	No orders.	-
Howard House,	No orders.	-
Hanson.		
Town Hall,	No orders.	-
Almshouse,	No orders.	-
Hingham.		
Almshouse,	No orders.	-
Agricultural Hall,	No orders.	-
Cushing House,	For more knotted ropes in sleeping-rooms.	Complied.
Thaxter Street School-house,	No orders.	-
Fort Hill School-house,	No orders.	-
South School-house,	No orders.	-
Liberty Plain School-house,	No orders.	-
High School Building,	No orders.	-
Hull.		
Hotel Nantasket,	No orders.	-
Atlantic House,	No orders.	-
Hotel Pemberton,	No orders.	-
Rockland House,	No orders.	-
Pacific House,	For knotted ropes in sleeping-rooms.	Complied.
Hotel Reynolds,	No orders.	-
Sea Foam House,	No orders.	-
Hamden House,	No orders.	-
Standish House,	No orders.	-
East End House,	No orders.	-
Oregon House,	No orders.	-
Pilgrim House,	No orders.	-
Randolph House,	No orders.	-
New School-house,	No orders.	-

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Kingston.		
Town Hall,	To remove combustible materials from cellar. . .	Complied.
Almshouse,	No orders.	-
High School Building,	No orders.	-
High School-house,	No orders.	-
Patuxet House,	No orders.	-
Lakeville.		
Town Hall,	No orders.	-
Wayside Inn,	No orders.	-
Assawamset House,	No orders.	-
Marion.		
Seppican House,	House enlarged; piazzas being built; not open as a hotel until next season.	-
East Marion School-house,	No orders.	-
South Marion School-house,	No orders.	-
North Marion School-house,	No orders.	-
Marshfield.		
Almshouse,	No orders.	-
Town Hall,	No orders.	-
Brant Rock House,	No orders.	-
Hotel Churchill,	For more knotted ropes in sleeping-rooms.	Complied.
Webster House,	For knotted ropes in sleeping-rooms,	Complied.*
Fair View House,	For knotted ropes in sleeping-rooms,	House closed.
Mattapoisett.		
Almshouse,	No orders.	-
Mattapoisett House,	No orders.	-
Bay View House,	No orders.	-
Barstow School-house,	No orders.	-
Central School-house,	No orders.	-
Middleborough.		
Newmarket House,	No orders.	-
Middleborough House,	No orders.	-
Cushing's Block,	To provide fire-escape.	-
Almshouse,	No orders.	-
Town Hall,	No orders.	-
High School Building,	No orders.	-
Union Street School-house,	No orders.	-
Norwell.		
Almshouse,	No orders.	-
Town Hall,	No orders.	-
James' Library Building,	No orders.	-
School-house No. 1,	No orders.	-
School-house No. 5,	No orders.	-
Pembroke.		
Almshouse,	No orders.	-
Town Hall,	No orders.	-
Mattakesett Hall,	No orders.	-
Plymouth.		
Almshouse,	No orders.	-
Town Hall,	No orders.	-
Court House,	No orders.	-
House of Correction,	No orders.	-
Davis' Opera House,	No orders.	-
Davis' Block,	No orders.	-
High School Building,	No orders.	-
South Street School-house,	No orders.	-
Mount Pleasant School-house,	No orders.	-
Russell Street School-house,	No orders.	-
Samoset House,	No orders.	-
Hotel Pilgrim,	No orders.	-

* Rooms not in use that need ropes will be provided before rooms are used.

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Plympton.		
Almshouse,	No orders.	-
Town Hall,	No orders.	-
Rochester.		
Town Hall,	No orders.	-
Almshouse,	No orders.	-
Rockland.		
Almshouse,	Better ways of egress in case of fire,	Complied.
Jackson House,	Burned.	-
Sherman House,	To provide knotted ropes in sleeping-rooms.	-
Opera House,	No orders.	-
North Avenue School-house,	No orders.	-
Summit Street School-house,	No orders.	-
Webster Street School-house,	No orders.	-
Plain Street School-house,	No orders.	-
Market Street School-house,	No orders.	-
High School Building,	No orders.	-
Scituate.		
Town Hall,	No orders.	-
Mitchell House,	No orders.	-
Sea View House,	No orders.	-
Centennial House,	No orders.	-
Hotel Humarock,	No orders.	-
Harbor House,	No orders.	-
Coleman Height House,	No orders.	-
Florence House,	To provide knotted ropes in sleeping-rooms.	Complied.
Wareham.		
High School Building,	No orders.	-
No. 4 School-house,	No orders.	-
Kendrick House,	No orders.	-
Glen Cove House,	No orders.	-
Hotel Onset,	No orders.	-
Brockton House,	No orders.	-
Union Villa,	No orders.	-
Marcy House,	To provide knotted ropes in sleeping-rooms.	Complied.
Avenue House,	No orders.	-
Central House,	No orders.	-
Thompson's Hotel,	To provide knotted ropes in sleeping-rooms.	Complied.
Wankinco House,	To provide knotted ropes in sleeping-rooms.	Complied.
Washburne House,	No orders.	-
West Bridgewater.		
Almshouse,	No orders.	-
Howard Seminary,	No orders.	-
West Hall,	No orders.	-
Whitman.		
Hotel Bates,	No orders.	-
Hobart House,	No orders.	-
Linden House,	To provide knotted ropes in sleeping-rooms.	-
High School Building,	No orders.	-
Warren Avenue School-house,	No orders.	-
School Street School-house,	To remove combustible material from cellar.	Complied.
Pleasant Street School-house,	No orders.	-
Daniel's Shoe Factory,	For fire-escapes.	-
Jenkins Block,	No orders.	-

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Winthrop.		
Hotel, "New Winthrop," . . .	For electric gong; red lights at stairways; notices of ways of egress printed in sleeping-rooms.	Complied.
Town Hall,	No orders.	-
Temple House,	No orders.	-
Hotel Dearborn,	Not opened this season.	-
Young's Hotel,	No orders.	-
Leighton House,	No orders.	-
Shirley House,	No orders.	-
Hotel Argyle,	No orders.	-
Nevada House,	No orders.	-
Ocean View House,	No orders.	-
Cottage Park House,	No orders.	-
Winthrop Beach School-house, . . .	No orders.	-
Pauline Street School-house, . . .	No orders.	-
Revere.		
Town Hall,	No orders.	-
Russell House,	No orders.	-
Central House,	Not open as a hotel.	-
Malvern House,	No orders.	-
Hotel Beaumont,	No orders.	-
Hotel Strathmore,	No orders.	-
Hotel Pines,	No orders.	-

Plans Approved and Changes Recommended.

[Chapter 316. An Act to regulate the erection and construction of certain buildings.]

DISTRICT No. 3. EDWIN Y. BROWN, *Inspector.*

BUILDING.	Location.	Changes Recommended.
Addition to State Farm Building, .	Bridgewater.	- -
Packard's Factory Building, . . .	Brockton, . . .	Fire escape on ell.
Thompson's Factory Building, . .	Brockton, . . .	To protect stairways.
Extension Whitman & Keith's Shoe Factory.	Brockton, . . .	Fire-escape.
Brockton Last Company's Factory,	Brockton, . . .	Better ways of egress.
Freeman & Whipple's Block, . . .	Brockton, . . .	No changes.
St. Paul's Episcopal Church, . . .	Brockton, . . .	No changes.
Dahlberg's Block,	Brockton, . . .	Better ways of egress, and fire-proofing of stairways.
Spaulding's Hotel,	Brockton, . . .	Better ways of egress.
Huntington School-house,	Brockton, . . .	No changes.
Commercial Club House,	Brockton, . . .	No changes.
Herrod's Shoe Factory,	Brockton, . . .	Fire-escapes.
Hubley's Apartment Block,	Chelsea,	Fire stops and fire-proofing of stairways.
Roman Catholic Church,	East Bridgewater, .	No change.
Masonic Building,	East Bridgewater, .	Fire-stops in partition walls and fire-escape.
Memorial Hall,	Marshfield, . . .	Better ventilation.
School-house,	Marshfield, . . .	Better ventilation.

Plans Approved, etc. — Concluded.

BUILDING.	Location.	Changes Recommended.
West Side School-house, . . .	Middleborough, . .	No changes.
School-house,	Orleans,	Better ventilation.
Davis Block,	Plymouth,	Fire-escape.
First Methodist Church, . . .	Revere,	Better construction of chimney.
Engine-house,	Revere,	No change.
Walnut School-house,	Revere,	Better ventilation.
Central Methodist Church, . .	Rockland,	No changes.
Chipman & Calley's Shoe Factory, .	Rockland,	No changes.
High School,	Scituate,	Better ventilation.
Extension of Town Hall,	Scituate,	No changes.
Extension of Commonwealth Com- pany's Shoe Factory.	Whitman,	Fire-escape.
Extension of Smith & Stoughton's Shoe Factory.	Whitman,	Fire-escape.
High School-house,	Whitman,	Better ventilation.
Free Baptist Church,	Whitman,	No changes.
Addition to Pauline Street School- house.	Winthrop,	Better ventilation.

REPORT OF INSPECTOR DYSON.

I enclose tabulated report of work done in the district assigned to me, under the provisions of chapters 104, 149, 173, 307, 316 and 426 of the Public Statutes. This report will show but a small part of the work required of the inspector, more especially under chapters 149 and 316. After the plans of buildings are submitted and approved it is rare that more or less changes are not desired and made by owners, contractors and committees, all of which require the approval of the inspector and many visits to the work to see that it is properly done. Still I am glad to say that very little opposition has been made to the requirements of this department.

Very little work has been done in the matter of ventilation of old school-houses in this district outside of the city of Worcester, but in all of the new buildings constructed particular pains have been taken to have the buildings, when completed, meet the requirements of the laws as to ventilation and sanitary conditions.

Chapter 386 of the Acts of 1893, entitled "An Act constituting ten hours in twelve consecutive hours a day's work for certain employees of street railway companies," went into effect on the first day of August, and the several street-railway corporations in this district have complied with its provisions after their attention had been called to the matter by the inspector.

*Report of Buildings Inspected.*CLASS No. 1, DISTRICT No. 5. JOSEPH M. DYSON, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
East Brookfield.		
C. H. Moultons,	Fire-escape,	Complied.
Mann Bros. Woolen Mill,	No orders.	-
Pottery Work,	No orders.	-
N. Sagerdorpr Woolen Mill,	No orders.	-
Athol.		
Athol Shoe Company,	Fire-escape,	Complied.
Bates Bros. Factory,	Fire-escape,	Complied.
Commercial Hotel,	Rope-escapes,	Complied.
Academy of Music,	No orders.	-
Ellsworth's Opera House,	No orders.	-
Northbridge.		
Rockdale Mills,	Fire escape,	Complied.
Whitinsville Cotton,	No orders.	-
Linwood Mills,	No orders.	-
Hardwick.		
G. H. Gilbert Manufacturing Co., . .	Guards to belts,	Complied.
Central House,	No orders.	-
Holden.		
Jefferson Mills,	No orders.	-
Eagleville Hotel,	No orders.	-
Dawson's Mill,	No orders.	-
Winchendon.		
Brick School,	Ventilation,	Complied.
Village School,	Wider stairs, and ventilation, . . .	Not completed.
Worcester.		
Glasgo Thread Co.,	-	-
Worcester Corset Co.,	Doors to open out and not locked, . .	Complied.
Worcester Insane Asylum,	No orders.	-
Worcester Lunatic Hospital,	Recommended sanitary provisions and ventilation.	Partially complied.
Worcester Theatre,	For standpipe and hose, and notices to be posted.	Complied.
Front B. Opera House,	Stage entrance not to be locked, . .	Complied.
Lothrop Opera House,	Fire proof curtain,	Complied.
Washburn & Moen Prescott Street Factory.	Doors not to be locked,	Complied.
Mechanics Hall,	No orders.	-
Globe House,	Outside fire-escape,	Complied.
Salisbury, 15 Union Street,	Additional egress,	Complied.
Worcester Almshouse,	Fire-escape and electric bells, . . .	Complied.
Adams Square School,	No orders.	-
Ashburnham.		
Cushing Academy Dormitory,	Fire escape, and means to extinguish fire.	Partially complied.
Cushing Academy,	Add egress from Hall,	Burned in Jan.
Fitchburg.		
Fitchburg R.R. Blacksmith Shop, . .	Ventilation.	Complied.
Beoli Mills,	Fire-escape and belts guarded, . . .	Complied.
Hotel Balmoral,	Fire escape and electric gongs, . . .	Complied.
American House,	Rope fire-escapes,	Complied.
National House,	Rope fire escapes,	Complied.
Fitchburg House,	Rope fire-escapes,	Complied.
Hotel Westmoreland,	Rope escapes in rooms, and additional egress.	Complied.
Parkhill No. 3,	Stairs changed and fire-escape, . . .	Complied.
Parkhill No. 1,	No orders.	-
Parkhill No. 2,	No orders.	-

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Grafton.		
Brick School,	For drainage and sanitary,	Complied.
Saunders Cotton Mill,	Sanitary provisions,	Complied.
Webster.		
Slaters Cotton,	Improved sanitarries,	Complied.
Slaters Woolen,	Improved sanitarries,	Complied.
Southbridge.		
Saunders Print Works,	Machinery guarded and sanitarries, . .	Complied.
American Optical,	Fire-escapes,	Complied.
Amidoun Block,	Rear stairs to be kept clear of obstructions.	Complied.
Y. M. C. A. Building,	Fire-escapes,	Complied.
Bank Block,	Fire-escapes,	Complied.
Lancaster.		
Mary Lamb Cottage, } Rogers Hall, } Fay Cottage, } Elm Cottage, }	State Industrial School for girls. { Recommended that attic rooms } should not be used for sleeping; } watchman on duty between 9 P.M. } and 6 A.M., and heating system to } be reconstructed. }	Partially complied.
Westborough.		
Westborough Insane Hospital, . .	Recommended better ventilation; fire-escape on Stanley Cottage and night watchman.	Complied.
Westborough High School,	Better ventilation,	Not complied.
New Braintree.		
Town Hall,	No orders.	-
West Brookfield.		
Corset Factory,	No orders.	-
McIntosh & Co.,	No orders.	-

Plans Approved and Changes Recommended.

[Chapter 316. An Act to regulate the erection and construction of certain buildings.]

DISTRICT No. 5. JOSEPH M. DYSON, *Inspector.*

BUILDING.	Location.	Changes Recommended.
Calvin Miller's Block,	Gardner,	Additional egress.
Pottery Building,	East Brookfield, . .	None.
Nockege Mill,	Fitchburg,	Additional egress.
Elizabeth Street School,	Worcester,	None.
Union Hill School,	Worcester,	None.
Greendale School,	Worcester,	None.
Harris' Block,	Oakdale,	Additional egress.
Harrington Street School,	Fitchburg,	Means of ventilation.
Trumball Block,	Worcester,	None.
Fitchburg Mutual Insurance Co., . .	Fitchburg,	Additional egress.
Swedish Mercantile Co-operative Association.	Worcester,	None.

Plans Approved, etc.—Concluded.

BUILDING.	Location.	Changes Recommended.
Barnes' Apartment Hotel, . . .	Worcester, . . .	Additional egress and fire-stops.
Alteration Town Hall, . . .	Clinton, . . .	Additional egress.
Kenney's Block, . . .	Worcester, . . .	None.
Harrington & Richardson's Factory,	Worcester, . . .	None.
S. Forehand's Factory, . . .	Worcester, . . .	None.
Cushing Academy, . . .	Ashburnham, . . .	Fire-stops.
Heywood's Factory, . . .	Gardner, . . .	None.
Wm. Knowlton & Son's Factory, . .	Upton, . . .	None.
Mayo & Lackey's Block, . . .	Leominster, . . .	None.
Starrett's Factory, . . .	Athol, . . .	Additional egress.
Shoe Factory, . . .	Fitchburg, . . .	None.
Prentice Block, . . .	Whitinsville, . . .	Additional egress from third story.
Parochial School, . . .	Webster, . . .	Wider stairs.
Brookfield Building Association Fac- tories.	Brookfield, . . .	Additional egress.
Wallace Block, . . .	Fitchburg, . . .	Fire-escapes.
J. W. Doon's Factory, . . .	Worcester, . . .	Rear stairs.
G. Whitney's Factory, . . .	Royalston, . . .	None.
Graton & Knight's Factory, . . .	Worcester, . . .	None.
Grammar School, . . .	South Ashburnham,	Ventilation.
Y. M. C. A. Building, . . .	Southbridge, . . .	Fire-escapes.
The Wilcox, . . .	Worcester, . . .	None.
Taylor's Block, . . .	Worcester, . . .	None.
Village School, . . .	Winchendon, . . .	Additional egress and ventila- tion.
American Optical, . . .	Southbridge, . . .	None.

REPORT OF INSPECTOR DEXTER.

In accordance with the rules and regulations governing the department, I have the honor to submit, in addition to my tabulated report, a brief statement in regard to my work during the year.

The most of my time has been occupied in looking after the enforcement of the provisions of chapters 316 and 426 of the Acts of 1888. I am glad to be able to report that every order sent under chapter 426, with one exception, has been promptly complied with. In the case mentioned as the exception the order has been partly complied with, and I have reason to believe will be fully complied with in a short time without my being obliged to resort to extreme measures to enforce a compliance.

I have also reason to believe that my suggestions in regard to

the placing of fire-stops in the walls and partitions in certain buildings, as required by chapter 316, are in most cases carried out; but as it is impossible for an inspector to personally oversee in all cases, he must therefore, to some extent, rely on the good faith of the persons entrusted to do the work.

Some trouble is still experienced in obtaining plans as promptly as is desirable. Especially is this true in cases where the owner of the building is of foreign birth and understands the English language but indifferently, if at all. I do not think there is any wilful intent on their part to evade the law, but they are ignorant of the law and its requirements. As a rule these people make their own plans, or will employ some person of their own nationality to make the plans and erect their buildings, who is as ignorant of the law as they are themselves.

Except in such cases as the above, the plans have usually been received in good time.

Chapter 251, "An Act to secure better provisions for escape from hotels and certain other buildings in case of fire," and chapter 307, "An Act for the better protection of human life in hotels in case of fire," are well complied with.

Report of Buildings Inspected.

CLASS No. 1, DISTRICT No. 6. HENRY A. DEXTER, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Easton.		
Ames Memorial Hall,	Fire-escape; rail stairway,	Complied.
Rice & Hutchins Shoe Manuf'ry,	Fire-escape,	Complied.
Somerset.		
Almshouse,	Fire-escape,	Complied.
North Attleborough.		
F. S. Draper Building,	Cut door; means of extinguishing fire,	Complied.
Mansfield.		
Mansfield House,	No orders.	-
American House,	No orders.	-
Central House,	No orders.	-
Wellfleet.		
Holbrook House,	No orders.	-
Westport.		
Hotel Westport,	No orders.	-
Harbor Hotel,	No orders.	-
Howland House,	No orders.	-
Tisbury.		
Mansion House,	Rope fire-escapes,	Complied.
Tashmoo House,	No orders.	-

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
New Bedford.		
Tenement-house, 167 No. Front St.,	Additional stairway,	Complied.
Sacred Heart School-house, . . .	Keep doors unlocked,	Complied.
Sisters' Department, Sacred Heart School.	Fire-escape,	Complied.
Tenement-house, Coggs Hall St., .	Fire-escape,	Complied.
Tenement-house, 229 State St., .	Fire-escape,	Complied.
Tenement-house, 106 Weld St., .	Fire-escape,	Complied.
Tenement-house, 15 Linden St., .	Fire-escape; build dormer windows,	Complied in part.
Enos Tenement-house, So. Water St.	Fire-escape,	Complied.
Hicks Building, 9 Purchase St., .	Fire-escape,	Complied.
Alms-house,	Fire-escape,	Complied.
Nantucket.		
Springfield House,	No orders.	-
Sea Cliff Inn,	No orders.	-
Ocean House,	No orders.	-
Veranda House,	No orders.	-
American House,	No orders.	-
Hotel Nantucket,	No orders.	-
Sherburne House,	No orders.	-
Point Breeze Hotel,	No orders.	-
Surf Side Hotel,	No orders.	-
Atlantic House,	No orders.	-
Ocean View House,	No orders.	-
Orleans.		
Shattuck House,	No orders.	-
Steele Hotel,	No orders.	-
Osterville.		
Cotochessett House,	No orders.	-
Crosby House,	No orders.	-
Fall River.		
Tenement-house, 54 Seventh St., .	Fire-escape,	Complied.
Taylor's Tenement-house, Eastern Ave.	Fire-escape,	Complied.
Tenement-house, cor. Bedford and Twelfth St.	Fire-escape,	Complied.
Tenement-house, 104 Anawan St., .	Fire-escape,	Complied.
Tenement-house, 200 Pleasant St., .	Fire-escape,	Complied.
Tenement-house, 149 Bedford St., .	Fire-escape,	Complied.
Tenement-house, 48 Robeson St., .	Fire-escape,	Complied.
Tenement-house, 235 Pleasant St., .	Fire-escape,	Complied.
Tenement-house, rear 235 Pleasant St.	Fire-escape,	Complied.
Tenement-house, 134 Bedford St., .	Fire-escape,	Complied.
Anthony Building, 9 Bedford St., .	Fire-escape,	Complied.
Tenement-house, 1-3 Langley St., .	Fire-escape,	Complied in part.
Tenement-house, rear 19 Plane St.,	Fire-escape,	Complied.
Tenement-house, rear 11 Plane St.,	Fire-escape; use of third story ordered discontinued.	Use of third story discontinued.
Tenement-house, 21 Plane St., .	Fire-escape,	Use of third story discontinued.
Tenement-house, 60 Eighth St., .	Fire-escape,	Complied.
Puritan Hotel, 9 North Main St., .	Rope fire escapes,	Complied.
Tenement-house, 432 Pleasant St., .	Repair balconies,	Complied.
Falmouth.		
Hotel Falmouth,	No orders.	-
Tower's Hotel,	No orders.	-
Pickwick House,	No orders.	-
Quisset Harbor House,	No orders.	-
Nobska Hotel,	No orders.	-

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Fairhaven.		
Union House,	No orders.	-
Barnstable.		
Globe Hotel,	No orders.	-
Cottage City.		
Hotel Naumkeag,	Rope fire-escapes,	Complied.
Oakwood Hotel,	Rope fire-escapes,	Complied.
Wesley House,	Repair fire-escape,	Complied.
Pawnee House,	No orders.	-
Hotel Metropolitan,	No orders.	-
Central House,	No orders.	-
Island House,	No orders.	-
Highland House,	No orders.	-
Searelle Hotel,	No orders.	-
Dennis.		
Nobscussett House,	No orders.	-
Edgartown.		
Harbor Hotel,	No orders.	-
Mattakesett Lodge,	No orders.	-
Cotuit.		
Santuit House,	No orders.	-
Craigville.		
Hotel Palmer,	No orders.	-
Hyannis.		
Qyanough House,	No orders.	-
Chatham.		
Hotel Chatham,	No orders.	-

Plans Approved and Changes Recommended.

[Chapter 316. An Act to regulate the erection and construction of certain buildings.]

DISTRICT No. 6. HENRY A. DEXTER, *Inspector.*

BUILDING.	Location.	Changes Recommended.
Pierce Manufacturing Corporation, .	New Bedford, . .	None
Union Cotton Manufacturing Co. (addition), .	Fall River, . .	None.
Fall River Iron Works Mill No. 3, .	Fall River, . .	None.
Granite Mill No. 3,	Fall River, . .	None.
Kerr Thread Co. (addition), . .	Fall River, . .	None.
Columbia Spinning Co. No. 1, . .	New Bedford, . .	None.
Columbia Spinning Co. No. 2, . .	New Bedford, . .	None.
Rotch Spinning Corporation No. 2, .	New Bedford, . .	None.
Wamsutta Mills Weaving Shed, . .	New Bedford, . .	None.
Bristol Manufacturing Corporation, .	New Bedford, . .	None.

Plans Approved, etc. — Concluded.

BUILDING.	Location.	Changes Recommended.
Hathaway Manufacturing Co. No. 2,	New Bedford, . .	None.
Grogans Tenement-house, . .	Fall River, . .	Additional egress.
C. Horan Tenement-house, . .	Fall River, . .	Additional egress.
M. Sullivan Tenement-house, . .	Fall River, . .	Fire-stops.
J. Durand Tenement-house, . .	Fall River, . .	Additional egress.
J. Durand Tenement house, . .	Fall River, . .	Additional egress.
D. R. Smith Tenement-house, . .	Fall River, . .	None.
Poisson Bro's Stores and Tenement,	New Bedford, . .	Fire-escapes; fire-stop.
Poisson Bro's Stores and Tenements,	New Bedford, . .	Fire-escapes; fire-stops.
Foresters' Hall,	Fall River, . .	Additional egress; fire-stop.
Jennings Block,	Fall River, . .	None.
F. Frazier Stores and Tenements, .	New Bedford, . .	None.
H. Munier Tenement-house, . .	New Bedford, . .	None.
A. Goulet Store and Tenements, .	New Bedford, . .	Fire-stops.
E. Thessien Tenement-house, . .	New Bedford, . .	Fire-stops.
E. Thessien Tenement-house, . .	New Bedford, . .	Fire-stops.
J. C. Fredette Tenement-house, .	New Bedford, . .	Fire-stops.
Sea Cliff Inn,	Nantucket, . .	Fire escapes.
Makonikey Inn,	Tisbury, . .	Fire escape.
P. Borden Stores, Offices, Hall, .	Fall River, . .	None.
Sharp Shooters Hall,	New Bedford, . .	Additional egress; fire-stops.
E. B. Bullock Jewelry Establish- ment.	Attleborough, . .	Construction of stairways.
J. M. Bates Jewelry Establishment,	Attleborough, . .	Construction of stairways.

REPORT OF INSPECTOR BUXTON.

I have the honor to submit the following report of work accomplished during the year 1893 in district No. 7, assigned to me, which comprises Hampden and Hampshire counties:—

I am glad to state that progress has been made along the different lines under my charge. No wilful opposition has been met and nothing serious has occurred to retard the work.

Many new buildings have been erected in this district the past year which come under the provisions of chapter 316 of the Acts of 1888, and much time and labor have necessarily been given to examining plans and specifications and seeing that the provisions against the spread of fire are provided and properly put in.

I am pleased to report that the recent amendment in the law which makes the architect equally responsible with the owner in

having plans forwarded to the inspector is having a good influence, and less trouble is experienced in obtaining plans, specifications, etc., promptly. The present trouble is largely from those who attempt to erect such buildings without employing an architect. These persons make a crude floor plan, on a board, or a pencil sketch on paper, without any detail whatever. This is done presumably to save architect's fees, but it always proves poor economy in the end, as the workmen are obliged to feel their way with a certain degree of uncertainty and doubt, owing to having no clear conception of the task assigned them. It is thus impossible for them to do good work either in quality or amount, while it is almost impossible to avoid bad mistakes, causing much vexation of spirit as well as waste of money and time. It is a well-established fact that the best economy in erecting buildings of any grade whatever is to first obtain suitable plans, details and specifications, setting forth in detail the work to be done in a clear, concise manner; no money expended upon the construction of a building gives better returns or more satisfactory results.

My experience as an inspector strengthens year by year my opinion of the wisdom of furnishing *all* buildings with fire and smoke stops, whether erected in city or country, of brick or wood, blocks or private dwellings; it pays to have these simple, inexpensive, but effective preventives for spread of fire provided and properly placed. A striking illustration of the truth of this fact was furnished in a fire that occurred in this city a short time since. It was a dwelling-house erected about three years ago. The fire started in the cellar, and in a very few minutes the roof was all ablaze. The rear part of the upper story and the roof were nearly burned off, while the damage by fire to the first story was very slight indeed. Had suitable fire-stops been provided the damage by fire in this case would have been very little, as it would have been confined to the cellar, where it started, for a time at least, instead of finding its way almost instantaneously to the attic between the partition studdings. I have been repeatedly told that a lining floor was all that was necessary. There was the usual lining floor in this building, and the partition chanced to be set over the joint between the lining boards. Such lining floors are usually of unseasoned lumber, and the natural shrinkage will leave quite an opening between them, which was the fact in this case; hence the fire found an unobstructed passage to the attic.

We always feel it a duty to improve opportunities such as this fire afforded to impress the importance of these precautions being taken in the construction of buildings of all kinds and descriptions.

Chapter 307, Acts of 1890, requiring knotted ropes or other appliances to be properly placed in each lodging-room above the first floor in all hotels, was found to be fairly well complied with. In two hotels, however, where such appliances had previously been furnished, it was found that the property had changed hands during the year, and the former owner had removed them with his other belongings, and the new proprietors had failed to supply others. In another place it was found the rope escapes were in use for other purposes about the premises, while in a few others the lodging-rooms were found to be only partially supplied or the ropes improperly put up. Some of these latter had been reported by the local inspector as being all right. These parties have all been notified and suitable rope escapes have been put up.

In my judgment it would be much better and less trouble to have the whole matter placed entirely under this department, as experience proves conclusively that it is necessary that all hotels should be carefully inspected annually.

Under Acts of 1888, chapter 389, providing for the inspection in certain cases of buildings and other structures alleged to be unsafe or dangerous, I have been called upon several times to examine buildings classed under this head. All notices given under this act have been properly complied with.

Acts of 1888, chapter 149, requiring proper sanitary provisions and ventilation in public buildings, school-houses, etc., has claimed its due share of attention this year. There is no longer any active opposition to the provisions of this act in my district. Rapid progress has been made in this direction; an intelligent public opinion is demanding better conditions, and it is now conceded unanimously by the better class in the community that the requirements are just and eminently humane. No new school-houses or public buildings of any kind are now erected without provision being made for ventilation in accordance with recent improved methods. The only obstacles met relate to the money involved and the difficulty experienced in making old buildings conform to the requirements of the law.

While the question of finances is an important one and does much to retard the progress of improvements, yet it is one that can be mastered by time and patience, while the old buildings *must* in time give way to new and improved ones. We are fully convinced that substantial and permanent progress has been made in this direction, and the time is not far distant when school-houses and public buildings will reflect credit upon the intelligence and humanity of the Commonwealth.

The Worthington Street school building is a three-story brick

structure, containing nine rooms, one recitation-room and a superintendent's room, with a large assembly hall in the third story. It had been furnished with the Emerson ventilators, but when tested they were found to be wholly inadequate for the purpose of supplying pure air. In 1892 notice was sent to the proper authorities to provide better means of ventilation, but owing to unavoidable circumstances the work was delayed. During the long vacation of the past summer an exhaust system was put in. The building was formerly heated by indirect steam, and the same boiler, with the addition of one small one to be used in very cold weather, is used in the present system. There are four warm-air chambers with three separate stacks of pin radiators in each chamber, each section containing about 400 superficial feet of heating surface. Each of these sections is divided into three parts in such a manner that each can be used separately or all together, making it economical to maintain, and also to provide for regulating the temperature and prevent overheating in mild weather. Each room is provided with a separate heating chamber to maintain an even temperature in the rooms and throughout the building. Each of the warm-air ducts is supplied with suitable mixing valves in order that a uniform amount of inflowing air may be maintained. The exhausts of foul-air ducts have an area of about 600 square inches. Each room has an independent duct that extends to the attic and connects with the foul-air gathering chamber, said foul-air gathering chamber being about 10 feet square below the exhaust fan and about 8 feet square above the fan. The foul-air shaft is drawn in at both top and bottom on an angle of 45° , leaving a 48-inch circular opening in the ceiling of the foul-air chamber, where a 48-inch Blackman fan is fastened, the fan being driven by a water motor located in the basement, with a $1\frac{1}{2}$ -inch shaft extending from the basement to the attic, with a pulley on top of the shaft which is connected with the fan by a 3-inch belt, thus doing away with the necessity of a long rope belt, which is more liable to get out of order. Equalizing dampers for each duct are placed at the entrance to the foul-air chamber. The fan makes about 350 revolutions per minute without objectional noise.

On the 30th day of October a test was made, with the following results: Temperature outside, 52° ; temperature in rooms, 70° to 74° . Allowing 50 pupils for each room, the average amount of warm air introduced was 32.46 cubic feet per minute per pupil; the air removed averaged 29.52 cubic feet per minute per pupil. The total result was highly satisfactory.

The York Street school building is a two-story brick structure

containing four school rooms; it is very old and illy adapted for school work in all respects, without suitable sanitary provisions, and with poor ventilation. An order was sent to the proper authorities calling for better sanitary provisions and improved ventilation. After procuring plans and obtaining estimates of the cost it was deemed unwise to expend the amount necessary on so old a building, and after due consideration it was decided to postpone repairs and erect a new building the coming year. I fully acquiesced in the wisdom of this decision, as there would be a great outlay of money to obtain even moderately good results, owing to the condition of the building.

There is now in process of construction in the city of Springfield two new school buildings, both of which are to be supplied with the best modern appliances for ventilation and sanitary provisions. One is to be a two-story brick structure, containing twelve school-rooms, recitation-rooms, etc. The other is to be a two-story wood structure, containing four rooms, etc. Both when completed will comply amply with the requirements of the law in every respect, and add to the number of handsome, substantial school buildings of which that city is justly proud.

Report of Buildings Inspected.

CLASS No. 1, DISTRICT No. 7. WARREN S. BUXTON, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Blandford.		
Mountain House,	Additional means of egress, . .	Complied.
Hampden.		
Allen House,	No orders.	-
Holland.		
Holland Hotel,	No orders.	-
Holyoke.		
Holy Family Institute, . . .	Additional means of egress, . .	In process of construction.
Turn Hall,	Additional means of egress, . .	Complied.
L. J. Powers Paper Co. Mill, .	Additional means of egress.	-
P. Moore's Block,	No orders.	-
Monson.		
Cushman's House,	No orders.	-
Monson House,	No orders.	-
Southwick.		
Southwick Hotel,	No orders.	-
Congamong House,	No orders.	-
Lake House,	No orders.	-

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Belchertown.		
Belcher House,	No orders.	-
Cummington.		
Deer Hill House,	No orders.	-
Valley House,	No orders.	-
Worthington.		
Bartlett Hotel,	No orders.	-
Taylor's Hotel,	Rope fire-escapes,	Complied.
Wilbraham.		
Allen House,	No orders.	-
Easthampton.		
Mansion House,	No orders.	-
Enfield.		
Swift River Hotel,	No orders.	-
Greenwich.		
Greenwich Hotel,	Rope fire-escapes,	Complied.
Riverside Hotel,	Rope fire-escapes,	Complied.
Goshen.		
Highland Hotel,	No orders.	-
Hadley.		
Elmwood Hotel,	No orders.	-
Pelham.		
Pelham Hotel,	No orders.	-
Northampton.		
Florence Hotel,	Additional means of egress,	Complied.
Norwood Hotel,	Additional means of egress, and rope fire-escapes,	Complied.
W. H. Whitcomb's Block	Additional means of egress,	In process of construction.
Capen's Block,	No orders.	-
Burnham's Block,	Additional means of egress,	Complied.
Amherst.		
South College,	Additional means of egress,	Complied.
North College,	Additional means of egress,	Complied.
South Hadley.		
Mount Holyoke College,	Fire-alarm gong,	Complied.
Springfield.		
Haynes Hotel,	Rope fire-escapes,	Complied.
Indian Leap Hotel,	No orders.	-
National House,	No orders.	-
Warwick Hotel,	Rope fire-escapes,	Will comply soon.

Plans Approved and Changes Recommended.

[Chapter 316. An Act to regulate the erection and construction of certain buildings.]

DISTRICT No. 7. WARREN S. BUXTON, *Inspector.*

BUILDING.	Location.	Changes Recommended.
N. Roberts' Tenement Block, . . .	Holyoke, . . .	Fire-stops.
Gilbert Potvin's Tenement Block, .	Holyoke, . . .	Fire-stops.
Empire Theatre,	Holyoke, . . .	Additional egress, doors open and fire-stops.
C. P. Lyman's Block,	Holyoke, . . .	Fire-stops.
H. W. Cooley's Block,	Holyoke, . . .	Fire-stops.
Northampton Hospital,	Northampton, .	Fire-stops.
Methodist Church,	Northampton, .	Doors open out.
School Street School,	Springfield, . .	Fire-stops.
Loring Street M. E. Church, . . .	Springfield, . .	Fire-stops.
Monson National Bank Block, . . .	Monson,	Fire-stops.
Grammar School Building,	Monson,	No changes.
Masonic Hall,	Palmer,	Additional means of egress and fire-stop.
F. Schmidt's Tenement Block, . . .	Westfield, . . .	Additional means of egress and fire-stops.
Allen's Block,	Westfield, . . .	Fire-stops.
A. Charron's Tenement Block, . . .	Ware,	Additional means of egress and fire stops.
Ware High School Building,	Ware,	No changes.
A. E. Dansreault's Tenement Block,	Ware,	No changes.
Mount Holyoke College Laboratory,	South Hadley, . .	No changes.
Forbes & Wallace Block,	Springfield, . . .	Additional means of egress and fire stops.
Elmwood School,	Holyoke,	Fire-stops.
Ward One School,	Holyoke,	Fire-stops.
Wm. H., Jr. & John B. King's Block,	Springfield, . . .	Additional means of egress and fire-stops.
J. S. Sanderson's Block,	Springfield, . . .	Fire-stops.
E. Brewer's Block,	Springfield, . . .	Fire-stops.
E. S. Stacy's Block,	Springfield, . . .	Fire-stops.
Estabrook's Block,	Springfield, . . .	Fire-stops.
E. Meekins Block,	Springfield, . . .	Additional means of egress and fire-stops.
J. Sullivan's Tenement Block, . . .	Springfield, . . .	Fire-stops.
F. Rice's Block,	Springfield, . . .	Additional means of egress and fire-stops.
J. C. Morse's Block,	Springfield, . . .	Fire-stops.
J. C. Morse's Block, Carew St., . .	Springfield, . . .	Fire stops.
Carew Street School Building, . . .	Springfield, . . .	Fire-stops.
Mountain House Addition,	Blandford, . . .	Additional means of egress.
Chicopee Falls Grammar School, . .	Chicopee.	- -
J. Glenn's Tenement Block,	Holyoke,	Fire-stops.

Plans Approved, etc. — Concluded.

BUILDING.	Location.	Changes Recommended.
Thomas Shea's Tenement Block,	Holyoke,	Fire-stops.
Wm. Skinner's Silk Mill,	Holyoke,	Additional means of egress.
A. Ferguson's Tenement Block,	Holyoke,	Fire-stops.
E. A. Allyn's Tenement Block,	Holyoke,	Fire-stops.
E. Holden's Tenement Block,	Holyoke,	Fire-stops.
R. A. Dickinson's Tenement Block,	Holyoke,	Fire-stops.
J. B. Bourdon's Tenement Block,	Holyoke,	Fire-stops.
Turn Hall,	Holyoke,	Fire-stops.
J. Stalker's Tenement Block,	Holyoke,	Fire-stops.
First Congregational Church,	Holyoke,	Doors open out and fire-stops.
M. Ruelle's Tenement Block,	Holyoke,	Fire-stops.
La'Point & Fortier's Tenement Block,	Holyoke,	Fire-stops.
J. Dupont's Tenement Block,	Holyoke,	Fire-stops.
Rock & Bourgeault Tenement Block,	Holyoke,	Fire-stops.
G. O. Perreault's Tenement Block,	Holyoke,	Fire-stops.

REPORT OF ANSEL J. CHENEY.

As the year comes to a close, in accordance with the usual customs of the department, I herewith submit my annual report. I am pleased to say that the laws requiring proper ways of egress or other means of escape from fire in buildings, manufacturing, mercantile, tenement-houses and hotels, are more carefully considered and better complied with than ever before in my district. During the past year I have inspected a great many buildings, as my tabulated report will show, and never before have I found so few violations of the law or issued so small a number of orders as during the past year. Yet I think the number of buildings inspected exceeds that of any previous year. During the past twelve months I have inspected every almshouse in Essex County, and many of its other institutions, both public and private, and I am glad to report the most of them in good condition. Where I have found them otherwise, either from a sanitary point of view or as concerns the means of egress or escape from fire or the spread of fire, I have immediately issued such orders to the proper authorities as would put them in a proper and safe condition, and they have been complied with.

Fire-escapes have been provided, ceilings over boilers and furnaces and elevator wells tinned, better communications between

stairways made, and means for extinguishing fire provided, and all rubbish and combustible material removed from buildings and cellars, thus providing against the outbreak of fire in these buildings, and means have been provided for extinguishing fires when they occur. I think the buildings in my district will compare favorably with any of a similar kind in the State in this respect.

The practice of keeping violently insane people in country almshouses that are not provided with necessary and proper provisions for such cases is dangerous and should not be allowed, and in every such case coming under my observation during the past year I have recommended that they be provided for in some State or private institution, where they will have competent and faithful attendants both night and day. I speak of the small towns in this particular. The cities seem to be better provided with these necessary attendants in their institutions. But in some of the country almshouses that I have inspected there are insane people who are so violently insane that they have to be confined in a barred cell all of the time and left to the care and attention of other inmates during the night, at a distance from the keeper's quarters beyond the reasonable reach of an ordinary voice. This is unsafe, but I had no power to act with authority, except to make necessary recommendations.

The law requiring architects to deposit copies of plans of certain buildings with the inspector has been more readily complied with since it was amended. This amendment made the architect liable as well as the owner, and the good effect of it has been quite noticeable since its passage. It has also enabled the inspector to better provide against the spread of fire in buildings, for under the old law buildings were sometimes completed before the inspector had any knowledge of their construction. The owner, not being familiar with the laws, expected his architect to attend to all of the minor details in the matter.

Chapter 307 of the Acts of 1890, providing for knotted ropes or other better appliances in every sleeping-room in a hotel above the ground floor not otherwise provided for, requires constant attention on the part of the inspector. The guests of these hotels, when they are to occupy a room for any number of days, take them down and put them in the closet if the room contains one; if not, they are thrown under the bed, and to the casual observer it might appear that they were not provided at all. Then, too, I am told that more or less of them are lost every year by the occupants taking the rope to tie up their trunks with. So it requires constant attention on the part of the inspector to see that this law is complied with.

In conclusion, let me say that I am still of the opinion I expressed last year in my report, that better protection should be provided for guests of hotels of less than fifty rooms, as under the present law a hotel may be six stories or more high, and if it does not contain fifty rooms, no watchmen, notices, alarm-gongs, or lights indicating the stairways are required, and in case of fire in one of them the absence of these might lose many lives.

Report of Buildings Inspected.

CLASS NO. 1, DISTRICT NO. 8. ANSEL J. CHENEY, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Amesbury.		
Mascot House,	Elevator door repaired; portable fire-escapes in rooms 17 and 18.	Complied.
American House,	No orders.	-
Almshouse,	Portable means for extinguishing fire.	Complied.
St. Joseph Parochial School, . .	Remove combustible material from cellar; provide means for extinguishing fire.	Complied.
Andover.		
Andover Almshouse,	No orders.	-
Bradford.		
Buena Vista Hotel,	Red lights, notices and gongs; portable fire-escapes.	-
Beverly.		
Brisco School-house,	No orders.	-
Washington School-house, . . .	No orders.	-
Hardy School-house,	No orders.	-
South School-house,	No orders.	-
Commercial Block,	Fire and smoke-stop in corridor, second floor, and portable means for extinguishing fire.	Complied.
Odd Fellows' Block,	Rail fire-escape stairs,	Complied.
Atlantic Block,	Remove combustible material from cellar, workshop and bakery.	Complied.
Burnham Block,	No orders.	-
Bells Hall Building,	No orders.	-
Seth Narwood's Factory,	No orders.	-
Trafton House,	No orders.	-
Beverly Hospital,	Ceiling over furnace to be tinned; more space around hot-air pipes; means for extinguishing fire; fire-escape.	Complied.
Union Hall,	No orders.	-
Almshouse,	Tin elevator well; repair ceiling over boiler; remove combustible material from under stairs; portable means for extinguishing fire.	Complied.
Essex.		
Essex Almshouse,	No orders.	-
Essex Shoe Co.'s Factory, . . .	No orders.	-
Gloucester.		
Almshouse,	No orders.	-
Huntress Home,	No orders.	-
Gilbert Home for Aged Couples, .	No orders.	-
Tarr's Block,	Remove obstruction on back stairs; protect ceiling over boiler and where pipes go through partitions.	Complied.
Magnolia Hotel,	No orders.	-
Ocean Side House,	No orders.	-
Dood's Oil and Glue Factory, . .	No orders.	-
Hawthorn Inn,	No orders.	-
Hawthorn Inn, Annex No. 1, . .	No orders.	-

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Gloucester — Con.		
Hawthorn Inn, Annex No. 2, . . .	No orders.	-
Hawthorn Inn, Annex No. 3, . . .	No orders.	-
The Delphine,	No orders.	-
Beachcroft Hotel,	No orders.	-
The Harbor View Hotel,	No orders.	-
Oak Grove House,	No orders.	-
The Sunset House,	No orders.	-
Hesperus House,	No orders.	-
Grand View House,	Alarm-gongs; watchman; notices; means for extinguishing fire; fire-escape.	Complied.
Bass Rock House,	No orders.	-
Pavillon Hotel,	Portable fire-escapes in rooms, . . .	Complied.
Mason House,	No orders.	-
Commonwealth Hotel,	No orders.	-
Cape Ann Shoe Co.'s Factory, . . .	Fire-escapes,	Complied.
Georgetown.		
Georgetown Almshouse,	Protect floor under stoves; portable means for extinguishing fire.	Complied.
Geo. W. Chaplin & Co.'s Factory, . . .	No orders.	-
Geo. W. Chaplin & Co.'s Factory No. 2,	No orders.	-
Georgetown Boot & Shoe Co.'s Factory,	Fire-escape,	Complied.
Groveland.		
Groveland Almshouse,	No orders.	-
Haverhill.		
Lombard & Berry's Factory,	No orders.	-
Lafayette Block,	Additional egress,	Complied.
Swazey Block,	Fire escape,	Complied.
High School,	No orders.	-
Whittier School,	No orders.	-
Almshouse,	Protect ceiling over boiler; tin elevator wells.	Complied.
R. Stewart Chase's Factory,	Fire-escape,	Complied.
Burnham School,	No orders.	-
Crowell School,	No orders.	-
School Street School,	No orders.	-
Hammond Block,	No orders.	-
Thurston House,	Notices; watchman; gongs; means for extinguishing fire; ropes in rooms in annex.	Complied.
L. A. Finnelly's Factory,	Fire-escape,	Complied.
J. H. Winchell's Factory,	Fire-escape,	Complied.
Y. M. C. A. Rooms,	No orders.	-
Peasley Block,	Fire-escape,	Complied.
Kimball Block,	Fire-escape,	Complied.
Red Men's Hall,	No orders.	-
Bolanger Block,	Fire-escape,	Vacated.
Warner Block,	No orders.	-
Old Ladies' Home,	Portable means for extinguishing fire,	Complied.
Elizabeth Children's Home,	Additional egress,	Complied.
John Dilling's Factory,	Fire-escape,	Complied.
Centre Block,	Additional egress,	Vacated.
Academy of Music,	No orders.	-
Central House,	Portable fire-escape in rooms, . . .	-
Leighton House, boarding,	No orders.	-
Magnard Block,	No orders.	-
Britton Hall,	Fire-escape,	-
Ipswich.		
Town Hall,	No orders.	-
Almshouse,	No orders.	-
Johnson's Shoe Factory,	Fire escape,	-*
Ipswich Upper Mills,	No orders.	-

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Lynn.		
Bay State House,	No orders.	-
High School,	Outside doors to be adjusted so as to open singly.	Complied.
Fobin's Block,	No orders.	-
School Street School,	No orders.	-
Martin's Block,	No orders.	-
Lynn Almshouse,	Additional egress; means for extinguishing fire.	Complied.
Martin's Block No. 2,	No orders.	-
Children's Home, at Almshouse,	Additional egress,	Complied.
Whiting School,	No orders.	-
Ingalls School,	No orders.	-
Music Hall,	Additional egress from gallery,	Complied.
Proctor Theatre,	No orders.	-
Fayette School,	No orders.	-
Newhall School,	No orders.	-
Parrot School,	No orders.	-
Jackson School,	No orders.	-
C. B. Lord Factory,	Fire escape.	-
Newhall Block,	No orders.	-
Alden Southworth Factory,	Fire escape,	Complied.
S. N. Breed Factory No. 1,	Fire escape,	Complied.
S. N. Breed Factory No. 2,	Fire escape,	Complied.
Joseph Breed Factory,	No orders.	-
Faunce & Spinney Factory,	Fire escape,	Complied.
Ashcroft Block,	No orders.	-
Home for Aged Women,	No orders.	-
Spinney & Caldwell Factory No. 1,	Fire escape,	Complied.
Spinney & Caldwell Factory No. 2,	No orders.	-
Hotel Oxford,	No orders.	-
Anderson Hotel,	Fire escape notices; watchman; alarm gongs; portable fire escape; means for extinguishing fire.	Complied.
Sagamore Hotel,	Fire escape; alarm gongs; means for extinguishing fire; knotted ropes.	Complied.
Boyden House,	No orders.	-
Boyden House Annex,	No orders.	-
Abbott Block No. 1,	Fire escape.	-
Abbott Block No. 2,	No orders.	-
J. O. Marshall Factory,	Outlet to back stairs.	-
Berkley House,	Portable fire escapes; clean up cellar,	Complied.
Hoffman House,	Fire escape,	Complied.
Winthrop Hotel,	Remove combustible materials from rooms and cellar.	Complied.
Pinkham Medical Co. Building,	No orders.	-
Revere House,	No orders.	-
Kirtland House,	No orders.	-
The Prescott House,	No orders.	-
Red Rock House,	No orders.	-
Bay View House,	Portable fire escapes,	Complied.
Morgan & Dore Factory,	Fire escape,	Complied.
Lawrence.		
Almshouse,	Protect ceiling over oven; make room accessible to both stairways.	Complied.
Lawrence Insane Asylum,	Fire escape,	Complied.
City Hospital,	No orders.	-
Pacific House,	Notices in rooms; fire alarm gong; watchman; portable fire escapes.	Complied.
Orphan Asylum,	No orders.	-
French Catholic Church,	Remove pews that obstruct the egress.	Complied.
Marblehead.		
Almshouse,	No orders.	-
Annex to Almshouse,	No orders.	-
Lyceum Hall,	Provide earth closets; improve the egress.	Complied.
Good Templars' Hall,	Fire escape,	Complied.
Wanapashemet House,	No orders.	-

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Compliances.
Manchester.		
Almshouse,	No orders.	-
Masconomo House,	Fire escape notices; gongs, and portable fire escape.	Complied.
Masconomo House Annex,	Portable fire escape,	Complied.
The Blynman Hotel,	No orders.	-
Methuen.		
Almshouse,	No orders.	-
Newbury.		
Plum Island Hotel,	No orders.	-
West Newbury.		
Almshouse,	No orders.	-
The Nichols Hotel	No orders.	-
Newburyport.		
Almshouse,	Remove combustible material from over boiler, and tin elevator wells.	Complied in part.
Kelley School-house,	No orders.	-
Forrester Street School-house,	No orders.	-
Congress Street School-house,	No orders.	-
Ashland Street School-house,	No orders.	-
Webster House,	Portable fire escapes in two rooms; means for extinguishing fire; better sanitary condition of house in general.	Complied.
Adams House,	No orders.	-
City Hotel,	No orders.	-
Wolf Tavern,	No orders.	-
Towle Manufacturing Co. Factory,	No orders.	-
Huntly Building	No orders.	-
Merrimack Hotel	No orders.	-
Peabody.		
Town Hall,	No orders.	-
Almshouse,	No orders.	-
Ice House at Brown's Pond,	Remove or make safe,	Complied.
Jacobs' Morocco Factory,	Remove or make safe,	Complied.
Linnehan Tenement-house No. 1,	Fire escape.	*-
Linnehan Tenement-house No. 2,	No orders.	-
Rockport.		
Almshouse,	Additional egress,	Complied.
Broadway Grammar School,	No orders.	-
High School,	No orders.	-
Haskins Hall,	Fire escape,	Complied.
Linwood House,	No orders.	-
Ocean View House,	No orders.	-
Ocean View House, Annex,	No orders.	-
Pigeon Cove House,	No orders.	-
Turk's Head Inn,	Portable fire escape,	Complied.
Turk's Head Inn, Annex,	Portable fire escape,	Complied.
Town Hall,	No orders.	-
North Andover.		
Almshouse,	No orders.	-
Salem.		
Northey Block,	Fire escape,	Complied.
Aged Women's Home,	Portable means for extinguishing fire,	Complied.
Bertram Home,	Portable means for extinguishing fire,	Complied.
Asiatic Building,	No orders.	-
C. S. Fuller & Co. Factory,	Fire escape,	Complied.
Downing Block,	Water closets,	Complied.
Hamilton & Balcomb Factory,	No orders.	-
St. Peter's Church,	No orders.	-
W. Q. Dane Factory,	No orders.	-
M. Shortell Factory,	No orders.	-

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Salem — Con.		
Warren Page Factory, . . .	Additional egress from stitching-room on third floor.	Complied.
Almshouse,	No orders.	-
Insane Asylum,	No orders.	-
Ocean View House,	No orders.	-
Winneagan House,	No orders.	-
Winneagan House, Annex No. 1,	No orders.	-
Winneagan House, Annex No. 2,	No orders.	-
Atlantic House,	No orders.	-
Atlantic House, Annex,	No orders.	-
Pickman Building,	No orders.	-
William McKean's Factory,	Fire-escape,	Complied.
Jordan Building,	No orders.	-
Haskell Building,	No orders.	-
Seaman's Orphans' Home,	Fire escapes.	-
City Orphan Home,	No orders.	-
Price Block,	Additional egress,	Complied.
Topsfield.		
Almshouse,	No orders.	-
Saugus.		
Almshouse,	No orders.	-
Salisbury.		
Atlantic House,	No orders.	-
Sea Side Hotel,	No orders.	-
The Pavilion,	No orders.	-
The Brunswick,	No orders.	-
The Harriman,	No orders.	-
Salisbury House,	No orders.	-

Plans Approved and Changes Recommended.

[Chapter 316. An Act to regulate the erection and construction of certain buildings.]

DISTRICT No. 8. ANSEL J. CHENEY, *Inspector.*

BUILDING.	Location.	Changes Recommended.
Clark's Block,	Amesbury,	No orders.
Beverly Building Association, Factory No. 6.	Beverly,	No orders.
J. W. Tullock's Factory,	Danvers,	No orders.
Manuel Perry Tenement-house,	Gloucester,	Fire-stops.
J. F. Greal Tenement-house,	Gloucester,	Fire-stops.
J. F. Greal Tenement-house No. 2,	Gloucester,	Fire-stops.
Sanborn Block,	Gloucester,	No orders.
Arnold's Block,	Haverhill,	No orders.
Red Men's Hall,	Haverhill,	No orders.
Hall's Block,	Haverhill,	Fire-stops.
Ferrara's Tenement-house,	Haverhill,	Additional egress; fire-stops.
J. B. Nichols' Factory,	Haverhill,	Additional egress.

Plans Approved, etc. — Concluded.

BUILDING.	Location.	Changes Recommended.
Pallister's Tenement-house, . .	Lawrence, . .	Fire-stops.
Dr. Lapalm's Tenement-house, . .	Lawrence, . .	Brick wall from cellar to roof of building, centre partitions; fire-stops in all main partitions.
Sullivan's Tenement-house, . .	Lawrence, . .	Fire-stops.
Mahoney's Tenement-house, No. 1, . .	Lawrence, . .	Fire-stops.
Mahoney's Tenement-house, No. 2, . .	Lawrence, . .	Fire-stops.
Fingleton's Tenement-house, . .	Lawrence, . .	Fire-stops.
Lawrence Imp. Co. Factory, . .	Lawrence, . .	Additional egress.
Stearns' Block,	Lawrence, . .	No orders.
Everett Mills, New Mill,	Lawrence, . .	No orders.
James McEvoy Block,	Lawrence, . .	Light wells tinned.
McGrain's Tenement Block, . .	Lynn, . .	Fill studding with brick in main partitions; fire-stops in floors.
Wilkins' Tenement Block, . .	Lynn, . .	Fire-stops in walls and floors.
J. G. B. Adams' Tenement Block, . .	Lynn, . .	No orders.
C. M. Rhodes' Tenement Block, . .	Lynn, . .	No orders.
P. Lennox's Block,	Lynn, . .	No orders.
Strout's Block,	Lynn, . .	Additional egress.
Hussey's Tenement Block, . .	Lynn, . .	Fire-stops.
Drown's Tenement Block, . .	Lynn, . .	Fire-stops.
Mudge's Tenement Block, . .	Lynn, . .	Fire-stops.
Hooper's Shoe Factory,	Marblehead, . .	No orders.
J. B. Thomas' Factory,	Peabody, . .	Additional egress.
Belangers' Tenement Block, . .	Salem, . .	Additional egress; fire-stops.
I. P. Harris' Block,	Salem, . .	Fire-stops.
Lebland's Tenement Block, . .	Salem, . .	Fire-stops.
Gagnon's Tenement Block, . .	Salem, . .	Fire-stops.
Dennis Brady Factory,	Salem, . .	No orders.
Wondell's Tenement-house, . .	Salem, . .	Fire-stops.
Larive's Tenement-house, . .	Salem, . .	Fire-stops.
Richards' Tenement-house, . .	Salem, . .	Fire-stops.
Devlin Bros. Factory,	Salem, . .	No orders.
Robson's Leather Factory, . .	Salem, . .	No orders.
Demd's Tenement-house,	Salem, . .	Fire-stops.
Lussier's Tenement-house, . .	Salem, . .	Fire-stops.
Michaud's Tenement-house, . .	Salem, . .	Fire-stops.

INSPECTOR MERRIAM'S REPORT.

I have the honor to submit the following report of work performed by me during the past year. A portion of it is shown in tabulated form. Much time has been given to conferring with committees, architects and owners, and one hundred and sixty-five visits made testing ventilated buildings, examining conditions and work which cannot well be given in detail.

The work in my district under chapters 316 and 426, Acts 1888, is light compared with that of others, but the requirements are promptly complied with. The laws pertaining to hotels are generally observed, though in some cases occupants of rooms remove the notices from doors, and even the rope fire-escapes from their rooms to the closets, without permission of the proprietor. In one case the proprietor said he posted a notice in a boarder's room every morning for three weeks. If the notices were painted on enamelled metal and put up with wire nails, and the ropes secured with staples instead of screw eyes or hooks, it would be better and save considerable trouble to both the proprietor and inspector.

In connection with other work, I have visited the several town almshouses, conferred with overseers of the poor and those in charge, relative to better protection against fire and better egress. None of these buildings are over two stories in height and many of them but one. They all seem to have sufficient ways of egress. Those of Pittsfield and North Adams have an average of about thirty people. In the former I suggested an additional entrance and stairway to the insane ward. Aside from these two institutions and two or three others the average number of inmates is less than five people, and many of the towns board their poor in private families. My suggestions were all promptly complied with.

Under chapter 149, Acts of 1888, calling for proper sanitary provisions and ventilation of public and school buildings, the work has progressed satisfactorily considering the depression in business and closeness of money for the last few months. Several buildings were laid over by necessity from that cause. The work that has been done is of a thorough and permanent nature, but the weather has been such that my tests have only been with the anemometer for the purpose of equalizing the several flues and making changes if necessary. The indications are favorable for good results. Several new school buildings are in construction throughout the district. All but one are so located that plans are not deposited with me; so they do not appear in my tabulated form, though the sanitary and ventilation portions are referred to

me for approval or recommendation. All of these have satisfactory provisions.

Of the several school buildings provided with systems of ventilation under my direction prior to this year, many are of sufficient capacity to change the air in the rooms every five to eight minutes. All went through the extreme cold weather of last winter without inconvenience, and in most cases with small additional expense for fuel to that of their former direct heat.

I receive many complimentary indorsements upon these buildings from those connected therewith, and from people who take an interest in our schools.

Report of Buildings Inspected.

CLASS NO. 1, DISTRICT NO. 10. FREDERICK W. MERRIAM, *Inspector.*

NAME OF BUILDING.	Orders Given.	Compliances.
Adams.		
Berkshire Cotton Co.'s Mill, . . .	No orders.	-
Amherst.		
Amity Street School, . . .	Sanitary and ventilation, . . .	Complied.
High School, . . .	Sanitary and ventilation.	-
Charlemont.		
East School, . . .	Sanitary and ventilation, . . .	Improved sanitar- ies.
Chicopee.		
School Street School, . . .	No orders.	-
Centre Grammar School, . . .	No orders.	-
Dalton.		
Crane Memorial Hall, . . .	No orders.	-
East Street School, . . .	Sanitary and ventilation, . . .	Complied.
Great Barrington.		
Burget & Lewis Block, . . .	Fire-escape, . . .	Complied.
Greenfield.		
High School, . . .	Sanitary and ventilation, . . .	Improved.
Hinsdale.		
Town Hall and High School, . . .	No orders.	-
Holyoke.		
Nonotuck Street School, . . .	Sanitary and ventilation, . . .	Improved sanitar- ies.
Park Street School, . . .	Sanitary and ventilation, . . .	Improved sanitar- ies.
Lenox.		
Lenox Dale School, . . .	Sanitary and ventilation.	-

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders Given.	Compliances.
Montague.		
Clapp Block,	Fire escape.	Complied.
Centre School,	Sanitary and ventilation,	Complied.
North Adams.		
Braytonville School,	Sanitary and ventilation,	Complied.
Union Street School,	Sanitary and ventilation.	-
Bradford Block,	No orders.	-
Northampton.		
Bridge Street School,	Sanitary and ventilation,	Complied.
Leeds Primary School,	Sanitary and ventilation.	-
Leeds Grammar School,	No orders.	-
Orange.		
Lamb Block,	Smoke doors,	Complied.
North Main Street School, . . .	Sanitary and ventilation.	-
Whitney Street School,	Sanitary and ventilation.	-
Myrtle Street School,	Sanitary and ventilation.	-
Masonic Block,	No orders.	-
Pittsfield.		
Orchard Street Primary School, .	Sanitary and ventilation,	Complied.
A. D. H. Hall,	No orders; changes being made.	-
Russell School,	No orders.	-
Pontoosuc School,	No orders.	-
Bel Air Woolen Mill,	Repair fire-escapes,	Complied.
Barker Woolen Mill,	Repair fire-escapes,	Complied.
Russell.		
Russell School and Hall,	No orders; changes being made.	-
Stockbridge.		
Stockbridge House,	Additional egress advised,	Complied.
Shelburne.		
Arms Academy,	Sanitary and ventilation,	Improved.
Williamstown.		
Thompson Laboratory,	No orders.	-
Warwick.		
Bee Hive,	No orders; advice given,	Complied.
Williamsburgh.		
Haydenville School,	Sanitary and ventilation.	-
Maple Street School,	Sanitary and ventilation,	Complied.
West Springfield.		
Mittineague School,	No orders; advice given,	Complied.
Westfield.		
Union Street School,	No orders; changes being made, .	Ventilated.

Plans Approved and Changes Recommended.

[Chapter 316. An Act to regulate the erection and construction of certain buildings.]

DISTRICT No. 10. FREDERICK W. MERRIAM, *Inspector.*

BUILDING.	Location.	Changes Recommended.
Congregational Parish House, . . .	Adams, . . .	In ventilation.
Centre Primary School, . . .	Dalton, . . .	In ventilation.
Cram & Co.'s Mill, . . .	Dalton, . . .	No orders.
F. M. T. A. & B. Society House, . .	North Adams, . .	No orders.
Beer & Dowlin Block, . . .	North Adams, . .	No orders.
St. John's Parish House, . . .	North Adams, . .	No orders.
Rich Block, . . .	North Adams, . .	Better egress.
Memorial Hall, . . .	Colrain, . . .	Better egress.
Keith Paper Mill, . . .	Montague, . . .	No orders.
Vice Block, . . .	Shelburne, . . .	No orders.

Certificates Issued.

[Chapter 426, Acts of 1888. An Act in relation to ways of egress and means of escape from fire in certain buildings.]

PUBLIC BUILDINGS, FACTORIES, WORKSHOPS AND TENEMENT-HOUSES.	Story.	Location.	Date of Certificate.	INSPECTOR.
			1892.	
Collins School house, . . .	First, .	Gloucester, .	Nov. 5,	Ansel J. Cheney.
Collins School-house, . . .	Second,	Gloucester, .	5,	"
Collins School-house, . . .	Third, .	Gloucester, .	5,	"
D. W. King's Block, . . .	First, .	Lynn, . . .	5,	"
D. W. King's Block, . . .	Second,	Lynn, . . .	5,	"
D. W. King's Block, . . .	Third, .	Lynn, . . .	5,	"
D. W. King's Block, . . .	Fourth,	Lynn, . . .	5,	"
Pairpoint Manufacturing Co, .	Second,	New Bedford,	18,	H. A. Dexter.
Pairpoint Manufacturing Co., .	Third, .	New Bedford,	18,	"
Pairpoint Manufacturing Co., .	Fourth,	New Bedford,	18,	"
Tenement-house, corner Branch and Nichols Streets.	Second,	Lowell, . . .	18,	John T. White.
Tenement-house, corner Branch and Nichols Streets.	Third, .	Lowell, . . .	18,	"
Odd Fellows' Hall, . . .	Third, .	Saugus, . . .	26,	Ansel J. Cheney.
Hall, Odd Fellows' Building, .	Second,	Saugus, . . .	26,	"
Mechanics' Hall, . . .	First, .	Salem, . . .	Dec, 22,	"
Mechanics' Hall, gallery, . .	-	Salem, . . .	22,	"

Certificates Issued — Continued.

PUBLIC BUILDINGS, FACTORIES, WORKSHOPS AND TENEMENT-HOUSES.	Story.	Location.	Date of Certificate.	INSPECTOR.
			1893.	
Commercial Hall,	Third, .	Beverly, .	Mar. 13,	Ansel J. Cheney.
Red Men's Hall,	Third, .	Beverly, .	18,	"
Worcester Theatre, orchestra and orchestra circle.	-	Worcester, .	Feb. 4,	Jos. M. Dyson.
Worcester Theatre, balcony and family circle	-	Worcester, .	4,	"
Worcester Theatre, gallery, .	-	Worcester, .	4,	"
Bristol Manufacturing Corpora- tion's Mill.	Second,	New Bedford,	Oct. 25,	H. A. Dexter.
Bristol Manufacturing Corpora- tion's Mill.	Third, .	New Bedford,	25,	"
Cornell Mill,	Second,	Fall River, .	25,	"
Cornell Mill,	Third, .	Fall River, .	25,	"
Cornell Mill,	Fourth,	Fall River, .	25,	"
Columbia Mill,	Second,	New Bedford,	25,	"
Columbia Mill,	Third, .	New Bedford,	25,	"
Columbia Mill, No. 2,	Second,	New Bedford,	25,	"
Columbia Mill, No. 2,	Third, .	New Bedford,	25,	"
Fall River Iron Works Mill, No. 3,	Second,	Fall River, .	25,	"
Fall River Iron Works Mill, No. 3,	Third, .	Fall River, .	25,	"
Fall River Iron Works Mill, No. 3,	Fourth,	Fall River, .	25,	"
Fall River Iron Works Mill, No. 2,	Second,	Fall River, .	25,	"
Fall River Iron Works Mill, No. 2,	Third, .	Fall River, .	25,	"
Hargraves Mill, No. 2,	Second,	Fall River, .	25,	"
Hargraves Mill, No. 2,	Third, .	Fall River, .	25,	"
Howland Mill, No. 1,	Second,	New Bedford,	25,	"
Howland Mill, No. 1,	Third, .	New Bedford,	25,	"
Howland Mill, No. 1,	Fourth,	New Bedford,	25,	"
Howland Mill, No. 2,	Second,	New Bedford,	25,	"
Howland Mill, No. 2,	Third, .	New Bedford,	25,	"
Howland Mill, No. 2,	Fourth,	New Bedford,	25,	"
Kerr Thread Company's Mill, .	Second,	Fall River, .	25,	"
Kerr Thread Company's Mill, .	Third, .	Fall River, .	25,	"
Kerr Thread Company's Mill, .	Fourth,	Fall River, .	25,	"
Kerr Thread Company's Mill, .	Fifth, .	Fall River, .	25,	"
Stevens Manufacturing Company,	Second,	Fall River, .	25,	"
Stevens Manufacturing Company,	Third, .	Fall River, .	25,	"
Tenement-house, Eastern Ave., .	Second,	Fall River, .	25,	"
Tenement-house, Eastern Ave., .	Third, .	Fall River, .	25,	"
Tenement-house, 200 Pleasant St ,	Second,	Fall River, .	25,	"

Certificates Issued—Continued.

PUBLIC BUILDINGS, FACTORIES, WORKSHOPS AND TENEMENT-HOUSES.	Story.	Location.	Date of Certificate.	INSPECTOR.
			1893.	
Tenement-house, 200 Pleasant St.,	Third, .	Fall River, .	Oct. 25,	H. A. Dexter.
Tenement-house, 200 Pleasant St.,	Fourth,	Fall River, .	25,	"
Tenement house, 60 Eighth St., .	Second,	Fall River, .	25,	"
Tenement-house, 60 Eighth St., .	Third, .	Fall River, .	25,	"
Tenement-house, 60 Eighth St., .	Fourth,	Fall River, .	25,	"
Tenement-house, 14-16-18 West- gate Street.	Second,	Fall River, .	25,	"
Tenement-house, 14-16-18 West- gate Street.	Third, .	Fall River, .	25,	"
Building, 9 Bedford Street, . .	Second,	Fall River, .	26,	"
Building, 9 Bedford Street, . .	Third, .	Fall River, .	26,	"
Building, 9 Bedford Street, . .	Fourth,	Fall River, .	26,	"
Hicks Building,	Second,	New Bedford,	26,	"
Hall, Hicks Building, . . .	Third, .	New Bedford,	26,	"
Tenement-house, So. Water St.,	Second,	New Bedford,	26,	"
Tenement-house, So. Water St.,	Third, .	New Bedford,	26,	"
Tenement-house, So. Water St.,	Fourth,	New Bedford,	26,	"
Tenement-house, 7-9-11 Winslow Street.	Third, .	Fall River, .	26,	"
Tenement-house, 1-3-5 Winslow Street.	Second,	Fall River, .	26,	"
Tenement house, 1-3-5 Winslow Street.	Third, .	Fall River, .	26,	"
Tenement-house, 235 Pleasant St.,	Fourth,	Fall River, .	26,	"
Tenement-house, 1-3-5 Westgate Street.	Second,	Fall River, .	26,	"
Tenement-house, 1-3-5 Westgate Street.	Third, .	Fall River, .	26,	"
Tenement-house, 7-9-11 Winslow Street.	Third, .	Fall River, .	26,	"
Tenement-house, 7-9-11 Winslow Street.	Third, .	Fall River, .	26,	"
Tenement house, 13-15-17 West- gate Street.	Second,	Fall River, .	26,	"
Tenement-house, 13-15-17 West- gate Street.	Third, .	Fall River, .	26,	"
Tenement-house, 2-4-6 Westgate Street.	Second,	Fall River, .	26,	"
Tenement-house, 2-4-6 Westgate Street.	Third, .	Fall River, .	26,	"
Tenement-house, corner Bedford and Twelfth Streets.	Second,	Fall River, .	27,	"
Tenement-house, corner Bedford and Twelfth Streets.	Third, .	Fall River, .	27,	"
Tenement-house, corner Bedford and Twelfth Streets.	Fourth,	Fall River, .	27,	"
Tenement-house, 235 Pleasant St.,	Second,	Fall River, .	27,	"
Tenement house, 235 Pleasant St ,	Third, .	Fall River, .	27,	"
Tenement-house, 235 Pleasant St.,	Fourth,	Fall River, .	27,	"
Tenement house, 235 Pleasant St., rear.	Second,	Fall River, .	27,	"
Tenement house, 235 Pleasant St., rear.	Third, .	Fall River, .	27,	"
Tenement house, 8-10-12 West- gate Street.	Second,	Fall River, .	27,	"

Certificates Issued — Concluded.

PUBLIC BUILDINGS, FACTORIES, WORKSHOPS AND TENEMENT HOUSES.	Story.	Location.	Date of Certificate.	INSPECTOR.
			1893.	
Tenement-house, 8-10-12 West- gate Street.	Third, .	Fall River, .	Oct. 27,	H. A. Dexter.
Granite Mill,	Second,	Fall River, .	27,	"
Granite Mill,	Third, .	Fall River, .	27,	"
Sagamore Manufacturing Com- pany's Mill, No. 1.	Second,	Fall River, .	27,	"
Sagamore Manufacturing Com- pany's Mill, No. 1.	Third, .	Fall River, .	27,	"
Sagamore Manufacturing Com- pany's Mill, No. 1.	Fourth,	Fall River, .	27,	"
Pierce Manufacturing Corpora- tion.	Second,	New Bedford,	Nov. 2,	"
Pierce Manufacturing Corpora- tion.	Third, .	New Bedford,	2,	"
Columbia Hall,	-	Somerville, .	8,	John T. White.
Fraternity Hall,	-	Somerville, .	8,	"
Unity Hall,	-	Somerville, .	8,	"

REPORT OF INSPECTOR MURRAY.

In completing the work of the past inspection year it is very pleasing to me to be able to say that, with but few exceptions, my suggestions and orders have been promptly and cheerfully attended to, and that I have met, in my large number of inspections, with nothing but civil and attentive consideration where changes and improvements were necessary and imperative.

I have given close attention to the sanitary condition of the factories and workshops in the district assigned me, having had occasion to issue several orders for additional closets, better sanitary arrangements and ventilation, all of which have either been complied with or are in the process of construction.

The act prohibiting the locking of doors in buildings wherein operatives are employed during the hours of labor is generally complied with in this district. I had occasion to send but five or six orders during the year, which were promptly complied with.

The act in relation to ways of egress and means of escape from fire in certain buildings I found violated in a few instances; in one case I found a large tank of oil on the stair landing in the second story, which I had removed before leaving the building.

Chapter 348, Acts of 1888, An Act in relation to the employment of children, has been given close attention. I found minors employed in a number of factories in the district without certificates, especially during the vacation of schools, in many cases the manufacturers maintaining that no certificate is needed during

vacation. I have found four or five children under thirteen years of age at work, but the attention of the employer being called to the law, they were immediately discharged.

The enforcement of chapter 433, Acts of 1877, relating to the employment of minors fourteen years of age or over who cannot read and write in the English language, is working a great benefit to the illiterate class, in whose behalf it was enacted, and the employers are heartily in sympathy with the enforcement of the law.

The orders to guard dangerous machinery, shafting, gearing and set-screws have been cheerfully complied with.

The law relating to the employment of women and minors under eighteen years of age in manufacturing and mechanical establishments is promptly complied with in this district.

A careful inspection has been made of nearly all the elevators in my district and where not having safety devices the owners were notified to have them placed on the cars, which orders were immediately complied with.

There have been three fatal accidents in this district the past year: in one instance a young woman employed on the fourth floor of a shoe factory, to send uppers of shoes down to the first floor on the elevator, in some manner unknown fell down the elevator well, breaking the gate and carrying it down the well with her. She lived but five hours after the accident.

On submitting this, my second annual report, I am pleased to say that a marked improvement and progress, in comparison with previous years, is apparent in industrial pursuits, and that the laws affecting labor in shop and factory are generally complied with.

DISTRICT No. 1, JAMES C. MURRAY, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
ACTON.								
Bay State Cigar Co.,	Cigars,	8	38	—	1	Good,	Procure certificate, Post time-tables; provide privies and designate.	
Blaine Manufacturing Co.,	Blaine,	3	4	—	—	Poor,		
E. Hall & Son,	Tubs and pails,	15	—	—	—	Fair,	None, None,	
Kinsley Brothers,	Cider,	3	—	—	—	Fair,		
J. A. Bowen,	Shoddy,	11	6	—	—	Fair,	Post time-tables; guard set-screws, Guard fly-wheel, belt and set-screws,	
B. M. Kimball & Son,	Leather,	58	—	—	—	Good,		
AYER.								
C. H. Moulton,	Boots,	135	35	—	12	Fair,	Procure certificates, Post time-table; guard engine crank and belts.	
Levi W. Phelps,	Lumber and boxes,	24	—	—	—	Fair,		
Union Furniture Co.,	Furniture,	35	1	—	—	Fair,	Post time-table, Procure certificate; post time-table; guard set-screws, fly-wheels and shafting.	
Alley Bros. & Co.,	Leather,	80	—	—	1	Fair,		
ASHBY.								
Alonzo A. Carr,	Tubs and pails,	12	—	—	—	Fair,	None,	

DISTRICT NO. 1—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
CAMBRIDGE — Continued.								
H. F. Sparrow,	Confectionery,	17	98	—	14	Good, . .	None,	—
Charles Place,	Paper boxes,	32	200	—	12	Fair, . .	None,	—
Mason & Hamlin Organ and Piano Co.	Organs and pianos,	294	6	—	5	Good, . .	Procure certificates; post time-tables,	Complied.
George Close,	Confectionery,	34	71	—	—	Good, . .	None,	—
George Close, Annex,	Confectionery,	9	15	—	—	Fair, . .	None,	—
Ralph H. Leach,	Confectionery,	4	7	—	—	Fair, . .	Post time-tables,	Complied.
D. M. Hazen & Sons,	Confectionery,	15	55	—	1	Good, . .	None,	—
Ivers & Pond Piano Co.,	Pianos,	133	4	—	2	Good, . .	Procure certificates; post time-tables,	Complied.
Boston Woven Hose and Rubber Co.	Hose and belting,	203	39	—	5	Fair, . .	None,	—
William L. Lockhart,	Caskets and cof- fins,	84	14	—	—	Fair, . .	Post time-tables; guard fly-wheel, belts and saws.	Complied.
A. H. Davenport,	Furniture,	160	—	—	1	Good, . .	None,	—
A. B. & E. L. Shaw,	Furniture,	79	1	—	1	Fair, . .	Procure certificates; post time-tables,	Complied.
E. W. Miller & Co.,	House finish,	20	—	—	1	Fair, . .	Procure certificates; post time-tables; guard set-screws, belt and saws.	Complied.
Irving & Casson,	Cabinet work,	170	—	—	1	Fair, . .	Procure certificate; post time-table; guard belts; keep entrance to fire-escape and doorway clear.	Complied.
Keeler & Co.,	Furniture,	46	—	—	—	Fair, . .	Guards and belts; keep doors un- locked.	Complied.

Underhill & Anderson,	Boxes, . . .	50	-	-	2	Fair,	Procure certificates; post time-table; guard belts; keep doors unlocked.	Complied.
F. Ivers & Son,	Carriages, . .	13	-	-	-	Fair,	None,	-
University Press, . .	-	203	125	-	3	Fair,	Procure certificates; post time-tables; guard fly-wheel, belt and set-screws; safety device for elevator; designate water-closets.	Complied.
The New York Biscuit Co.,	Crackers, . .	300	200	-	-	Fair,	Designate water-closets, . .	Complied.
Morss & Whyte Wire Works.	Wire works, . .	68	12	-	-	Fair,	Guard engine crank; designate water-closets	Complied.
Carlos L. Page & Co., .	Wooden boxes, .	44	1	-	2	Fair,	Procure certificates, . .	Complied.
Geo. G. Page Box Co., .	Wooden boxes, .	112	-	-	1	Good,	Guard fly-wheel, . .	Complied.
Lysander Kemp & Sons,	Soaps, . . .	12	-	-	-	Fair,	Guard fly-wheel, . .	Complied.
James C. Davis & Sons,	Soaps, . . .	29	1	-	1	Fair,	None,	-
Barbour, Stockwell & Co., .	Machinery, . .	158	-	-	-	Fair,	Post time-table; guard fly-wheel, crank and belt.	Complied.
Curtis, Davis & Co., .	Soaps, . . .	67	-	-	-	Fair,	Post time-table, . .	Complied.
A. & E. Burton & Co., .	Brushes, . . .	25	25	-	3	Fair,	Guard fly-wheel, belt and well hole in engine room.	Complied.
Geo. L. Foster, . . .	Wood mantels, .	10	-	-	-	Fair,	Post time-table, . .	Complied.
Howe Spring Bed Co., .	Spring beds, . .	11	-	-	-	Fair,	Post time-table, . .	Complied.
Standard Turning Works, .	Turned goods, .	11	5	-	-	Fair,	Post time-tables; guard saws, .	Complied.
Graves & Phelps, . . .	Wood tables, . .	25	-	-	-	Fair,	None, . . .	-
Wood Brothers, . . .	Piano and organ sharps.	12	-	-	-	Fair,	None, . . .	-
M. E. Rideout, . . .	House finish, . .	39	1	-	-	Poor,	Guard belts and saws; additional water-closets.	Complied.
J. H. Keenan, . . .	House finish, . .	29	1	-	-	Fair,	Guard saws, . .	Complied.
T. B. Wentworth, . . .	Furniture, . . .	6	-	-	-	Fair,	Guard belt, . .	Complied.
The Hayward Confectionery Co.,	Confectionery, .	11	10	-	-	Fair,	None, . . .	-

DISTRICT NO. 1 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.	
		Under 14.		14 to 16.					
		Males.	Females.						
CAMBRIDGE — Continued.									
Geo. R. Oliver,	Piano cases,	86	—	—	—	Good, . .	Post time-table; guard engine crank and belt.	Complied.	
Standard Action Co.,	Piano actions,	37	16	—	1	Good, . .	Procure certificate; post time-tables; designate water-closets.	Complied.	
B. P. Clark & Co.,	Confectionery,	19	9	—	—	Fair, . .	Post time-tables,	Complied.	
Daniels, Badger & Co.,	Furniture,	66	1	—	—	Good, . .	Guard engine crank,	Complied.	
Lamb & Ritchie,	Metal pipe,	49	1	—	—	Fair, . .	Post time-table,	Complied.	
A. K. Smith,	Piano hammer coverer,	7	—	—	—	Good, . .	None,	—	
Hugh Stewart & Co.,	Carriages,	30	—	—	—	Good, . .	None,	—	
Stewart Brothers & Co.,	Carriages,	20	—	—	—	Good, . .	Post time-table,	Complied.	
A. H. Hewes & Co.,	Art pottery,	76	14	—	9	Fair, . .	Post time-tables,	Complied.	
J. P. Squire & Co.,	Hog products,	965	6	—	—	Fair, . .	Post time-tables; guard fly-wheel, crank and set-screws; designate water-closets.	Complied.	
Chadwick Lead Works,	Lead,	16	—	—	—	Fair, . .	Guard engine crank,	Complied.	
Gilbert & Butler,	Church organs,	10	—	—	—	Fair, . .	None,	—	
Gustav Weitze,	Sausages,	9	—	—	—	Fair, . .	None,	—	
Goepper Brothers Co.,	Steam barrels,	32	—	—	—	Poor, . .	Guard fly-wheel and belts; clean privy.	Complied.	
C. W. H. Moulton & Co.,	Ladders,	40	—	—	—	Fair, . .	Guard fly-wheel, belt and set-screws,	Complied.	

H. M. Sawyer & Son, . . .	Oiled clothing, . . .	30	60	-	-	Fair, . . .	Post time-tables; guard shafting in stitching-room.	Complied.
D. C. Storr Furniture Co., . . .	Furniture, . . .	55	-	-	1	Poor, . . .	Procure certificate; post time-table; clean privy.	Complied.
McDonald Brothers, . . .	Confectionery, . . .	2	3	-	-	Fair, . . .	Post time-tables; designate water-closet.	Complied.
George F. Blake Manufacturing Co., . . .	Machinery, . . .	407	-	-	-	Good, . . .	Post time-table; guard set-screws,	Complied.
American Net & Twine Co., . . .	Nets, . . .	25	275	-	15	Good, . . .	Box fly-wheel belt in engine room,	Complied.
Hawkins Machine Co., . . .	Machinery, . . .	17	-	-	-	Fair, . . .	Post time-table; guard fly-wheel, crank and belt.	Complied.
Seavey & Co., . . .	Tinware, . . .	60	34	-	5	Fair, . . .	Procure certificate, . . .	Complied.
Adolph Sommer, . . .	Leather dressing, . . .	5	-	1	-	Fair, . . .	Procure certificate; post time-table; guard fly-wheel and belt.	Complied.
Charles River Iron Works, . . .	Machinery, . . .	100	-	-	1	Fair, . . .	Procure certificate; post time-table; guard fly-wheel, belt and set-screws	Complied.
Roberts Iron Works Co., . . .	Machinery, . . .	45	-	-	-	Fair, . . .	Guard fly-wheel, belts and set-screws.	Complied.
The Dover Stamping Co., . . .	Tinware, . . .	157	28	-	4	Fair, . . .	Post time-tables, . . .	Complied.
Riverside Pottery Works, . . .	Pottery ware, . . .	4	-	-	1	Fair, . . .	Procure certificate; post time-table; guard fly-wheel; provide safety device for elevator.	-*
Riverside Bindery, . . .	Book-binding, . . .	45	50	-	-	Good, . . .	Post time-tables; guard set-screws; safety device for elevator.	Complied.
Cambridgeport Diary Co., . . .	Diaries, . . .	30	50	-	-	Good, . . .	Post time-tables; guard crank and set-screws.	Complied.
The Riverside Press, . . .	Job printing, . . .	368	240	-	1	Good, . . .	Procure certificate; post time-tables; guard set-screws and crank; safety device for elevator.	Complied.

* Partial compliance.

DISTRICT No. 1 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
CAMBRIDGE — Continued.								
Cambridge Laundry, . . .	Laundry. . .	12	122	—	12	Good, .	Procure certificate; post time-tables; guard fly-wheel, crank, belt and set-screws; safety device for elevator.	Complied.
C. D. Jones & Co., . . .	Soaps, . . .	27	—	—	1	Fair, .	Post time-table; guard belt and set-screws.	Complied.
John Reardon & Sons, . . .	Soaps and tallow, . . .	96	—	—	—	Fair, .	Post time-table; guard crank and set-screws; safety device for elevator.	Complied.
The Cambridge Press, . . .	Newspaper and job printing.	9	4	—	—	Good, .	Post time-tables; guard set-screws,	Complied.
Phillips Brothers & Co., . . .	Desks, . . .	30	—	—	—	Fair, .	None,	Complied.
James Furfey, . . .	Cocoa mats, . . .	6	—	—	—	Fair, .	Post time-tables; guard set-screws,	Complied.
David Wilcox & Co., . . .	Hats, . . .	72	3	—	—	Fair, .	Procure certificate; post time-table; guard fly-wheel, crank, belts and set-screws.	Complied.
C. G. H. Bennink, . . .	Brass materials, . . .	36	—	—	1	Fair, .		Complied.
Riverside Boiler Works, . . .	Boilers, . . .	11	—	—	1	Fair, .	Procure certificate; post time-table; guard fly-wheel, belts, set-screws and opening to boiler.	Complied.

Harvard Printing Co., . . .	Book and job printing.	17	6	1	Fair,	Procure certificate; post time-tables; guard fly-wheel and belts; safety device for elevator.	Complied.
J. Frank Facey, . . .	Job printing, . . .	5	1	—	Fair,	Post time-table, . . .	Complied.
Graves & Henry, . . .	Job printing, . . .	9	7	1	Fair,	Procure certificate; post time-tables, . . .	Complied.
Louis F. Weston, . . .	Job printing, . . .	5	2	—	Fair,	Post time-tables, . . .	Complied.
W. H. Wheeler, . . .	Job printing, . . .	9	5	—	Good,	Post time-tables; guard motor and fly-wheel.	Complied.
J. H. H. McNamee, . . .	Book-binding, . . .	15	6	—	Good,	Post time-tables, . . .	Complied.
Hall Brothers, . . .	Hat and garment hooks.	4	—	—	Fair,	Guard fly-wheel of kerosene engine, . . .	Complied.
Reversible Collar Co., . . .	Collars and cuffs, . . .	54	36	—	Good,	Post time-tables; guard fly-wheel and set-screws.	Complied.
Ernest Flentje & Co., . . .	Sheep casings, . . .	3	9	2	Poor,	Procure certificates; post time-tables; guard fly-wheel and belt; provide water-closet and designate.	Complied.
John C. Dow & Co., . . .	Poultry supplies, . . .	30	—	—	Fair,	Guard fly-wheels, belts and set-screws.	Complied.
Bay State Laundry, . . .	Laundry, . . .	6	37	—	Good,	Post time-tables; guard fly-wheel and belts.	Complied.
Cambridge News, . . .	Job printing, . . .	1	3	—	Fair,	Post time-tables, . . .	Complied.
Charles E. Pierce & Co., . . .	Tin cans and boxes, . . .	13	—	—	Fair,	Post time-table, . . .	Complied.
W. W. Reid & Co., . . .	Shoe dressing, . . .	2	1	1	Fair,	Procure certificate, . . .	Complied.
Cambridge Boiler Works, . . .	Steam boilers, . . .	35	—	—	Fair,	Guard fly-wheels of engine and belt of roller machine.	Complied.
Miller & Shaw, . . .	Machinery, . . .	14	—	—	Fair,	None, . . .	—
J. S. Bell & Co., . . .	Confectionery, . . .	8	19	1	Fair,	Procure certificate, . . .	Complied.
Damon Safe and Iron Works Co., . . .	Safes, . . .	50	—	—	Fair,	Post time-table, . . .	Complied.
Parker, Field & Mitchell, . . .	Engines and machinery.	67	—	—	Fair,	None, . . .	—

DISTRICT NO. 1 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
CAMBRIDGE — Concluded.								
The Harvard Dry Plate Co.,	Dry plates, . . .	3	1	—	—	Fair, .	None,	—
Rawson & Morrison, . . .	Hoisting engines, .	42	—	—	—	Fair, .	Post time-table; guard set-screws, .	Complied.
D. E. Frasier, . . .	P i a n o - h a m m e r covers.	5	—	—	—	Good, .	None,	—
University Book Bindery,	Book-binding, . . .	5	—	—	—	Fair, .	Post time-table, .	Complied.
James Grant, . . .	Furniture, . . .	10	—	—	—	Fair, .	None, .	—
Cushman Bros. & Co., .	Window shades, .	13	—	—	—	Fair, .	None, .	—
Standard Oil Company, .	Oil, . . .	35	—	—	—	Fair, .	Post time-table, .	Complied.
Frank H. Teele, . . .	Soaps, . . .	3	—	—	—	Fair, .	None, .	—
EVERETT								
C. H. Bangs, . . .	Furniture, . . .	60	—	—	1	Fair, .	Procure certificate; post time-table; guard crank, belts and shafting.	Complied.
Edward Dewey & Co., .	Engine governors and valves.	32	—	—	1	Good, .	Procure certificate; post time-table; guard fly-wheel.	Complied
O. J. Faxon, . . .	Iron, . . .	47	—	—	—	Poor, .	Post time-table; guard fly-wheel; provide water-closet.	Complied.
Henderson Brothers, . .	House finish, . .	59	1	—	1	Fair, .	Procure certificate; post time-tables; guard fly-wheels, belts and opening	Complied.
Cochrane Chemical Co., .	Chemicals, . . .	140	—	—	—	Fair, .	Guard fly-wheel in each engine-room and belts.	Complied.

W. O. Breed,	Laundry,	6	10	-	Poor,	Provide privy,	Complied.
Reliable Manufacturing Co.,	Street railway supplies,	10	-	-	Fair,	Guard set-screws and belts,	Complied.
Boston Tube Bending Co.,	Coil boilers,	4	-	1	Fair,	Procure certificate; post time-table; guard set-screws,	Complied.
Nathan F. Carruth & Co.,	Tanners' supplies,	4	-	-	Fair,	Guard opening to tanks on second floor.	-
The McCune Cycle Co.,	Bicycles,	40	-	-	Fair,	Post time-table; guard set-screws,	Complied.
Norton Iron Co.,	Iron,	74	1	1	Fair,	Procure certificate; post time-tables; guard fly-wheel, belt and opening to outside hoist.	Complied.
B. J. Richardson,	Varnishes and japans,	5	-	-	Good,	None,	-
S. Brainard Pratt & Co.,	Knitted goods,	3	48	-	Good,	None,	-
Peter Jacobs,	Furniture,	4	-	-	Fair,	None,	-
Deguio Brothers,	Furniture,	10	-	-	Poor,	Provide suitable privy,	-
GROTON.							
Squamacook Mill,	Leatherboard,	38	2	1	Good,	Guard set-screws and belt; designate water-closet.	Complied.
HUDSON.							
C. J. Sawyer,	Wood and paper boxes,	17	9	1	Fair,	Procure certificates; guard fly-wheel and crank.	Complied.
Robertson & Larkin,	House finish,	10	-	-	Poor,	Guard fly-wheel and crank; provide privy.	Complied.
F. H. Chamberlain,	Boots and shoes,	68	28	5	Good,	Procure certificates,	Complied.
Novelty Paper Box Co.,	Paper boxes,	4	13	1	Good,	Procure certificate,	Complied.
Thomas Leavis & Son,	Rattan furniture,	5	-	-	Good,	None,	-
Millay Last Co.,	Lasts,	16	-	-	Fair,	None,	-
F. Brigham & Co.,	Shoes,	140	85	3	Fair,	Procure certificates; post time-tables; guard set-screws.	Complied.

DISTRICT NO. 1—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
HUDSON — Concluded.								
Bradley & Sayward, . . .	Shoes, . . .	115	35	2	3	Fair, .	Procure certificate; guard fly-wheel belt.	Complied.
C. M. Brett, . . .	Shoes, . . .	120	60	2	5	Poor, .	Procure certificates; post time-tables; guard fly-wheel, portion of shafting, set-screws and opening in floor of attic; provide water-closet and designate.	- *
L. T. Jeffs, . . .	Shoes, . . .	87	31	-	2	Fair, .	Procure certificate; post time-tables; guard roller machine; provide water-closet for males and designate.	-
Stowe, Bills & Hawley, H. H. Mawhinney, . . .	Shoes, . . . Shoes, . . .	125 225	75 75	- 3	1 21	Fair, Good, .	Post time-tables, . . . None, . . .	Complied. -
LEXINGTON.								
M. H. Merriam, . . .	Shoe findings, . . .	6	26	-	-	Good, .	Post time-tables; designate water-closets.	Complied.
Lexington Gas Light Co., . . .	Gas and electric light.	4	-	-	-	Good, .	Guard fly-wheels and belts in dynamo-room.	Complied.
LITTLETON.								
Conant, Houghton & Co., . . .	Suspenders, . . .	15	22	-	2	Good, .	Procure certificates, . . .	Complied.

E. T. Cowdrey & Co., Avery Lactant Co., LOWELL. Massachusetts Mohair Plush Co., Amraytoon Paper Tube Co., Howard Stocking Co., E. W. Hoyt & Co., C. F. Hatch & Co., Joshua M. Stover, George W. Harris, Lowell Felting Mills, Pickering Knitting Co., John M. Pevey, Pevey Brothers, Lansom Consolidated Store Service Co., Lowell Hosiery Co., Rice & Co., Otis Allen & Son, A. Bachelder & Co., A. P. Bateman,	Canned goods, Acids, Plush goods, Paper tubes, Stockings, Cologne, Paper boxes, Shoes, Loom harness, Hair felting, Knit underwear, Fancy twines, Iron and brass, Cash registers, Hosiery, Wire cloth, Mouldings, Bung and plug, House finish,	18	12	3	4	Good, Good, Good, Good, Good, Good, Good, Fair, Good, Good, Good, Fair, Good, Good, Good, Fair, Good, Good, Poor, Fair, Fair, Good,	Procure seven certificates; guard fly-wheel and crank. Designate water-closets; safety device for elevator. Guard fly-wheel and crank, Procure certificate, Procure certificates, None, Procure certificates; post time-tables; keep stairway clear. None, Post time-tables; guard fly-wheel, None, Guard fly-wheel and crank, Procure certificate; post time-tables; designate water-closets. Guard fly-wheel and crank, Procure certificate; post time-table; guard crank. Procure certificate; post time-tables; guard fly-wheel, crank and set-screws. Post time-tables; provide water-closet. Procure certificate; post time-tables; guard fly-wheel and crank. Guard belts and circular saws, Post time-table; guard crank and saws.	Complied. Complied.
		7	2	-	-	Good,	Procure seven certificates; guard fly-wheel and crank.	Complied.
		60	67	-	12	Good,	Guard fly-wheel and crank,	Complied.
		13	10	-	3	Good,	Procure certificate,	Complied.
		11	52	-	4	Good,	Procure certificates,	Complied.
		5	12	-	-	Good,	None,	-
		15	60	-	2	Good,	Procure certificates; post time-tables; keep stairway clear.	Complied.
		95	55	-	11	Fair,	None,	-
		24	6	-	1	Good,	Post time-tables; guard fly-wheel,	Complied.
		14	-	-	-	Good,	None,	-
		58	242	2	14	Good,	Guard fly-wheel and crank,	Complied.
		20	65	-	13	Good,	Procure certificate; post time-tables; designate water-closets.	Complied.
		80	1	-	-	Fair,	Guard fly-wheel and crank,	Complied.
		192	-	-	1	Good,	Procure certificate; post time-table; guard crank.	Complied.
		91	131	1	13	Good,	Procure certificate; post time-tables; guard fly-wheel, crank and set-screws.	Complied.
		37	-	-	6	Poor,	Post time-tables; provide water-closet.	Complied.
		18	1	-	2	Fair,	Procure certificate; post time-tables; guard fly-wheel and crank.	Complied.
		10	-	-	-	Fair,	Guard belts and circular saws,	Complied.
		26	1	-	-	Good,	Post time-table; guard crank and saws.	Complied.

* Partial compliance.

DISTRICT NO. 1—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
LOWELL—Continued.								
Criterion Knitting Co.,	Jersey underwear,	12	70	—	7	Fair,	Provide water-closet and designate,	Complied.
Wm. H. Parker & Sons,	Bobbins and spools,	93	—	—	3	Fair,	Procure certificates; post time-tables; guard crank and elevator opening.	Complied.
Hayworth & Watson,	Paper tubes,	14	8	—	1	Fair,	Post time-tables; designate water-closets.	Complied.
The Coburn Shuttle & Bobbin Co.	Loom shuttles,	39	1	—	1	Fair,	Procure certificate; post time-tables,	Complied.
Harriman Brothers,	Elastic web,	13	27	—	3	Good,	Procure certificates; post time-tables,	Complied.
Shaw Stocking Co.,	Hosiery,	77	338	—	13	Good,	Procure certificates; safety for elevator.	Complied.
Josiah Gates & Sons,	Leather bolting and hose	8	—	—	—	Fair,	Guard fly-wheel, belt and two well holes in basement.	Complied.
W. H. Bagshaw,	Machine wool combs.	35	—	—	2	Fair,	Procure certificates; post time-tables; guard fly-wheel, crank and belt.	Complied.
John Pilling,	Boots and shoes,	105	50	—	6	Fair,	Procure certificate; post time-tables; designate water-closets.	Complied.
William Kelley & Son,	House finish,	13	—	—	—	Fair,	Post time-tables,	Complied.
A. L. Brooks & Co.,	Mouldings,	40	—	—	—	Poor,	Guard fly-wheel, crank and belts; provide water-closet.	Complied.
John Tripp & Co.,	Roll coverers,	15	—	—	—	Fair,	None,	—
W. F. Copson,	Shoe goring,	5	3	—	—	Fair,	None,	—

F. S. Perkins,	Machinists' tools,	25	—	—	Good,	Post time-table; keep door unlocked; provide safety for elevator.	Complied.
The Kitson Machine Co.,	Cotton openers and lappers.	266	1	—	Good,	Procure certificate; guard crank,	Complied.
Geo. W. Fifield,	Engine lathes,	40	—	—	Fair,	Post time-table; guard belt,	Complied.
Knowles Scale Works,	Scales,	7	—	—	Fair,	None,	—
Davis & Sargent,	Boxes and lumber,	25	—	—	Fair,	Guard fly-wheel, crank and circular saw.	Complied.
Marshall & Crosby,	Furniture,	40	—	—	Fair,	Guard belts,	Complied.
Lowell Scale Co.,	Scales,	8	—	—	Good,	None,	—
Joel Knapp & Son,	Machinery,	12	—	—	Fair,	None,	—
W. W. Carey,	Machinery,	25	2	—	Good,	Post time-tables; guard opening,	Complied.
Joseph Turner,	Cotton screws,	5	—	—	Good,	Post time-table,	Complied.
Amasa Pratt & Co.,	House finish,	49	1	—	Fair,	Guard engine crank,	Complied.
Le National,	Newspaper and job printing.	38	2	—	Fair,	Post time-tables; designate water-closets.	Complied.
Eastern Electric Light and Storage Battery Co.	Electric light,	9	3	—	Good,	Procure certificate; post time-tables,	Complied.
Lepine & Co.,	Book and job printing.	9	—	—	Fair,	Post time-table,	Complied.
Howe Lumber Co.,	House finish,	5	—	—	Fair,	Post time-table; guard belts,	Complied.
Standard Worsted Co.,	Worsted yarns,	21	80	—	Fair,	Post time-tables; guard crank and set-screws.	Complied.
Appleton Co.,	Cotton cloth,	452	625	—	Good,	Procure certificates; guard cranks,	Complied.
A. L. Wright,	Engine lathes,	24	—	—	Fair,	Post time-table; guard fly-wheel and crank.	Complied.
Daniel Lovejoy & Son,	Machine knives,	23	1	—	Fair,	Post time-table; guard belts and set-screws; safety device for elevator.	—*
Wm. H. Pope & Co.,	Milled screws,	10	—	—	Fair,	Post time-table,	Complied.
Middlesex Steam Laundry,	Laundry,	7	15	—	Fair,	Procure certificate; post time-tables,	Complied.

* Partial compliance.

DISTRICT No. 1—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
LOWELL — <i>Concluded.</i>								
Lowell Machine Shop,	Cotton machinery,	1,288	—	—	4	Good, .	Procure certificate; guard fly-wheels, cranks and set-screws; safety for elevator.	Complied.
Frank Hoyt,	Shoes,	4	1	—	—	Fair, .	Post time-table; guard roller machine.	Complied.
Hamilton Manufacturing Co., .	Prints and flannels,	967	1,223	—	85	Good, .	Procure certificates; post time-tables; guard cranks, belts and set-screws.	Complied.
Tremont & Suffolk Mills, . .	Blankets and fancies.	969	1,337	—	104	Good, .	Procure certificates; guard engine cranks, set-screws and water machinery.	Complied.
Twombly, Rouleau & Co., . .	Shoes,	29	12	—	4	Fair, .	Procure certificates; post time-tables; guard shafting in stitching-room.	Complied.
Lowell Card Co.,	Card clothing, .	16	4	—	—	Fair, .	Guard set-screws and belts in machine-room and belts in hall-way; keep doors unlocked; safety for elevator.	—*
Magee Emulsion Co.,	Cod-liver oil, .	8	7	—	—	Fair, .	Post time-tables; provide water-closets and designate.	Complied.
Troy Steam Laundry,	Laundry,	2	4	—	—	Fair, .	Post time-tables; designate water-closets.	Complied.

L. S. Kimball, . . .	Leather loom pickers.	6	-	-	Fair, .	None, .	-
Henry Edwards, . . .	Machine brushes, .	4	-	-	Fair, .	None, .	-
Merrill's Steam Laundry, . . .	Laundry, . . .	5	9	-	Fair, .	Post time-tables, .	Complied.
Lowell Electric Light Co., . . .	Electric light, . .	21	-	-	Good, .	Guard crank, fly-wheel belts, alternating machine, dynamo belts, openings in floor and fly-wheels in shafting-room.	-
MALDEN.							
Wadsworth, Howland & Co., . .	Paint and varnish, .	27	5	-	Fair, .	Post time-tables; guard belts, .	Complied.
Massachusetts Wire Co., . . .	Electrical wires, . .	13	21	-	Good, .	Guard set-screws and elevator landing, .	Complied.
S. E. Vaughan, . . .	Wood and paper boxes.	37	29	-	Good, .	Guard engine crank; designate water-closets.	Complied.
Louis Cohn & Co., . . .	Picture frames, . .	21	-	-	Poor, .	Post time-tables; guard belts and circular saws.	Complied.
Kilpatrick & Harrington, . . .	Moulding and house finish.	5	-	-	Fair, .	Guard crank and belts, . . .	Complied.
G. W. Horton, . . .	Cabinet work, . . .	4	-	-	Fair, .	Guard belts and opening, . .	Complied.
A. B. Palmer, . . .	Carriages, . . .	15	-	-	Fair, .	None, . . .	-
National Steam Dye-house, . .	Dyeing, . . .	5	4	-	Poor, .	Post time-tables; provide water-closet.	Complied.
George V. Cox Last Co., . . .	Lasts, . . .	45	-	-	Fair, .	Guard fly-wheel, crank and belts, .	Complied.
Boston Rubber Shoe Co., . . .	Rubber boots and shoes.	883	900	-	Good, .	Safety devices for three elevators; guard cranks and shafting	Complied.
Robinson Brothers & Co., . . .	Soaps, . . .	32	48	-	Good, .	Procure certificates; post time-tables; guard fly-wheel, crank, belt and set-screws; designate water-closets.	Complied.

* Partial compliance.

DISTRICT No. 1 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.		Females.	Under 14.				14 to 16.
MALDEN — <i>Concluded.</i>									
C. T. & J. C. Joslyn, . . .	Syrups, . . .	12	3	—	—	Poor, . . .	Post time-tables; provide two privies and designate.	Complied.	
Malden Moulding Co., . . .	Moulding, . . .	5	—	—	—	Poor, . . .	Repair and clean privy, . . .	Complied.	
A. F. White, . . .	House finish, . . .	3	—	—	—	Poor, . . .	Guard belts; repair and clean privy, . . .	Complied.	
Cochrane Turkey Red Works, . . .	Prints, . . .	120	20	—	4	Fair, . . .	Procure certificates; post time-tables; guard set-screws.	Complied.	
S. W. Gould & Bros., . . .	Herbs, . . .	8	3	—	—	Poor, . . .	Post time-tables; guard set-screws and belt; provide two privies and designate.	—	
Malden Electric Co., . . .	Electric light, . . .	19	—	—	—	Fair, . . .	Guard fly-wheels, crank and belts; clean privy.	Complied.	
G. A. Eberle, . . .	Linen hose, . . .	3	2	—	—	Good, . . .	None, . . .	—	
Bettinson's Hand Laundry, . . .	Laundry, . . .	5	20	—	—	Good, . . .	Post time-tables, . . .	Complied.	
Hill's Custom Laundry, . . .	Laundry, . . .	10	27	—	—	Fair, . . .	Post time-tables, . . .	Complied.	
MELROSE.									
The Melrose Journal, . . .	Newspaper and job printing, . . .	3	3	—	—	Poor, . . .	Post time-tables; provide water-closet and designate.	Complied.	
Dunton & Potter, . . .	Job printing, . . .	3	1	—	—	Good, . . .	Post time-tables, . . .	Complied.	
Boston Rubber Shoe Co., . . .	Rubber shoes, . . .	739	521	—	28	Good, . . .	Guard set-screws; safety devices for two elevators.	Complied.	

A. W. Chesterton & Co.,	Engine supplies,	13	-	-	Poor,	Post time-table; guard belts in steam packing room.	-
Shepard Manufacturing Co.,	Silverware,	9	1	-	Good,	Post time-tables,	Complied.
T. E. Jeffery,	Laundry,	2	5	-	Fair,	None,	Complied.
F. P. Baker Moulding Co.,	Moulding,	55	-	1	Fair,	Procure certificate; post time-table; guard fly-wheels and belt.	Complied.
MEDFORD.							
D. F. Creeden,	Mattresses,	2	2	-	Fair,	Post time-tables,	Complied.
G. F. Marden,	House finish,	3	-	1	Poor,	Procure certificate; post time-tables; guard fly-wheel and belts; provide privies.	Complied.
Glenwood Dye Works,	Dyed cottons,	23	5	-	Fair,	Guard fly-wheel and set-screws; safety device for elevator.	Complied.
Mystic Print & Dye Works,	Print and dyed cottons.	71	14	-	Fair,	Guard fly-wheel of upright engine in starch-room.	Complied.
The Medford Manufacturing Co.,	Felt goods,	22	6	-	Good,	Procure certificate; post time-tables; guard fly-wheel, crank, hot-air blower, set-screws and stair openings.	Complied.
J. Rennison & Co.,	Furniture,	26	-	-	Fair,	Guard fly-wheels, crank, shafting and set-screws.	Complied.
The Medford Mercury,	Job printing,	3	1	-	Good,	Post time-tables,	Complied.
J. A. Stewart,	House finish,	7	-	-	Fair,	Guard fly-wheel, crank, set-screws and belts.	Complied.
Medford Steam Laundry,	Laundry,	10	22	-	Fair,	None,	-
George S. Delano,	Mattresses,	4	3	-	Good,	None,	-
NORTH READING.							
O. P. Symonds & Sons,	Boxes,	18	-	1	-	Procure certificate; post time-table; guard fly-wheel, crank and belt.	-

DISTRICT No. 1 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
PEPPERELL.							
Champion Card & Paper Co.,	Card and book paper.	61	14	—	Good, .	Guard set-screws,	Complied.
H. A. Parker & Co., . . .	House finish, . . .	12	—	—	Fair, .	Provide privy,	Complied.
Pepperell Card & Paper Co.,	Card paper, . . .	28	7	1	Good, .	Procure certificate; guard set-screws,	Complied.
READING.							
E. B. Richardson, . . .	Boots and shoes, .	113	114	—	Good, .	Procure certificates; post time-tables.	Complied
J. W. Richardson Shoe Co.,	Shoes,	35	25	—	Fair, .	Procure certificate,	Complied.
H. P. Emerson & Co, . .	Rubber clothing, .	30	22	—	Fair, .	Post time-tables; guard belts, .	Complied.
The Horton Akerley Co, .	Brushes and boxes,	20	11	—	Good, .	None,	—
W. H. Twombly,	Job printing.	2	2	—	Good, .	None,	—
H. K. Austin,	Machinery, . . .	7	—	—	Fair, .	Post time-table,	Complied.
SOMERVILLE.							
Holland & Daniels, . . .	Window shades, .	17	3	—	Fair, .	None,	—
P. Forg,	Hardware, . . .	24	1	—	Good, .	Post time-table,	Complied.
Kerr Chemical Co., . . .	Extracts, . . .	2	3	—	Poor, .	Post time-tables; provide water-closet and designate.	Complied.
Union Glass Co., . . .	Glassware, . . .	101	9	10	Fair, .	None,	—
William Wilkins & Co., .	Hair drying, . .	7	—	—	Fair, .	Post time-table; guard fly-wheel and belt.	Complied.

George W. Norton, . . .	Soaps, . . .	12	-	-	Fair, .	Post time-table; guard fly-wheel and set-screws.	Complied.
Williams Table & Lumber Co., .	Tables, . . .	18	1	-	Good, .	Post time-table; guard saws and set-screws.	Complied.
C. M. Hinekley, . . .	Sausages and tal- low.	12	-	-	Fair, .	Post time-table; guard fly-wheel, belt and set-screws.	Complied.
Somerville Desk Co., . . .	Desks, . . .	17	-	-	Fair, .	Guard belts, . . .	Complied.
J. H. Brown, . . .	Moulding, . . .	23	-	-	Fair, .	Guard fly-wheel, . . .	Complied.
Middlesex Bleachery & Dye Works.	Print and dye works.	190	31	-	Good, .	Procure certificates; post time-tables; guard belts.	Complied.
John N. Ball, . . .	Pasted shoe stock,	7	28	-	Fair, .	Procure certificate; guard fly-wheel,	Complied.
Cushman Brothers & Co., . .	Window shades, . .	33	15	-	Good, .	Guard set-screws; safety for elevator,	Complied.
Miller Brothers & Co., . . .	Coffins, . . .	25	1	-	Fair, .	Guard fly-wheel and crank, . .	Complied.
Somerville Electric Light Co., .	Electric light, . .	36	-	-	Good, .	Guard belts in electric room, . .	Complied.
Wilbur P. Rice, . . .	House finish, . .	6	-	-	Poor, .	Clean and repair privy, . .	Complied.
The Sprague & Hathaway Co., .	Picture frames, . .	75	45	-	Good, .	Procure certificates, . .	Complied.
J. B. Plummer & Co., . . .	Baskets and wil- low ware.	21	-	-	Fair, .	Post time-table; guard fly-wheel and set-screws; keep door unlocked.	Complied.
Victoria Iron Works, . . .	Machinery, . . .	14	-	-	Poor, .	Post time-table; guard fly-wheel, crank, belts and set-screws; pro- vide water-closet.	Complied.
American Tube Works, . . .	Brass and copper tubes.	325	-	-	Good, .	Guard set-screws and belts in car- penter shop.	Complied.
S. Armstrong & Co., . . .	Barrels and kegs,	40	1	-	Fair, .	Post time-table, . . .	Complied.
W. K. Lewis & Bros, . . .	Canned goods, . .	14	14	-	Fair, .	None, . . .	Complied.
Derby & Kilmer Desk Co., . .	Desks, . . .	87	-	-	Good, .	Post time-table; guard fly-wheel, set-screws and belt.	Complied.
STONEHAM.							
P. Cogan & Son, . . .	Boots and shoes, . .	47	28	-	Good, .	Procure certificate; post time-tables,	Complied.
Smith & Baker, . . .	Boots and shoes, . .	19	17	-	Fair, .	Post time-tables; guard elevator landing, dinker and roller ma- chines.	Complied.

DISTRICT NO. 1 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
STONEHAM — Concluded.							
E. R. Lothrop Co., . . .	Leather counters and tips.	6	1	—	Good, .	Post time-table,	Complied.
Edward F. Sanborn & Co., . .	Boots and shoes, .	80	55	—	Fair, .	Procure certificates; guard fly-wheel, crank and set-screws; provide water-closet.	—*
William Tidd & Co, . . .	Leather, . .	170	—	—	Fair, .	Guard fly-wheels, belts and set-screws.	Complied.
W. D. Byron & Sons, . . .	Leather, . .	51	—	—	Fair, .	Post time-table; guard fly-wheel, crank, set-screws and elevator landing.	Complied.
Tucker & Moulton, . . .	Boots and shoes, .	84	65	—	Fair, .	Procure certificates; post time-tables; guard fly-wheel, crank and shafting; provide water-closet.	Complied.
W. P. Fletcher, . . .	Paper boxes, .	12	23	—	Good, .	Post time-tables; guard fly-wheel; designate privy.	Complied.
L. P. Benton, . . .	Boots and shoes, .	23	20	—	Good, .	Post time-tables; guard fly-wheel and set-screws; designate privy.	Complied.
Thomas J. Quinn, . . .	Morocco leather, .	23	2	—	Fair, .	Post time-tables; guard fly-wheel, crank, belts and set-screws; designate water-closets.	Complied.
Mrs. S. M. Kimball, . . .	Boots and shoes, .	83	30	—	—	None,	—
E. P. Duncklee, . . .	Pasted shoe stock, .	5	10	—	Fair, .	Post time-tables,	Complied.

Duncklee & Hansell, . . .	Pasted shoe stock, . . .	3	4	-	Fair, . . .	Post time-tables, . . .	Complied.
E. L. Patch Co., . . .	Drugs and chemicals, . . .	35	30	- 2	Fair, . . .	Procure certificates, . . .	Complied.
L. V. Colahan, . . .	Shoes, . . .	13	9	- 1	Fair, . . .	Post time-tables, . . .	Complied.
Henry Boyce & Son, . . .	Shoe findings, . . .	14	2	- 1	Fair, . . .	None, . . .	-
T. F. Kenney, . . .	Boots and shoes, . . .	13	12	-	Fair, . . .	None, . . .	-
A. E. Mann & Co., . . .	Shoes, . . .	160	65	- 8	Fair, . . .	Procure certificate, . . .	Complied.
STURBURY.							
Hurlbut Rogers Machine Co., . . .	Machinery, . . .	10	-	- 1	Fair, . . .	Procure certificate; post time-table, . . .	Complied.
SHIRLEY.							
C. A. Edgerton Manufacturing Co., . . .	Suspenders, . . .	82	97	- 17	Good, . . .	Procure certificates; guard set-screws	Complied.
Samson Cordage Works, . . .	Braided cordage, . . .	48	62	- 8	Good, . . .	Procure certificates; guard dynamo belt in card-room.	Complied.
STOW.							
C. W. & A. D. Gleason, . . .	Woollens, . . .	52	27	- 2	Good, . . .	Guard belts, . . .	Complied.
TOWNSEND.							
Spaulding Brothers, . . .	Leather board, . . .	15	5	- 2	Good, . . .	Procure certificates; guard shafting and fly-wheel in mill-room.	Complied.
B. & A. D. Fessenden, . . .	Pails and tubs, . . .	50	-	-	Good, . . .	None, . . .	-
N. S. Adams, . . .	Kegs and pails, . . .	18	-	-	Fair, . . .	Post time-table; guard fly-wheel and cable in engine-room.	Complied.
W. P. Taylor, . . .	Furniture, . . .	23	-	-	Fair, . . .	None, . . .	-
Clarence Stickney, . . .	Barrels, . . .	18	2	-	Fair, . . .	Post time-tables, . . .	Complied.
E. W. Seaver, . . .	Tubs and pails, . . .	16	1	- 2	Fair, . . .	Procure certificates; post time-tables, . . .	Complied.
TYNGSBOROUGH.							
J. G. Upton, . . .	Lumber and boxes, . . .	18	2	-	Fair, . . .	None, . . .	-

* Partial compliance.

DISTRICT NO. 1 — *Continued.*

NAME OF FACTORY OF WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
TEWKSBURY.								
Taylor & Barker, . . .	Chemicals, . . .	16	—	—	—	Fair, .	Guard fly-wheels and belts, .	Complied.
Atherton Machine Co., . .	Machinery and hosiery annex.	224	31	—	6	Fair, .	Procure certificates; post time-tables; guard crank, shafting and set-screws.	Complied.
WAKEFIELD.								
Wakefield Rattan Co., . .	Rattan furniture, .	534	209	—	33	Good, .	Post time-table; guard elevator landing and belts; keep door unlocked; safety for elevator.	Complied.
Wakefield Steam Laundry, .	Laundry, . . .	5	11	—	—	Good, .	Designate water-closets, .	Complied.
Harvard Knitting Mill, . .	Jersey underwear, .	4	72	—	3	Good, .	Procure certificate; post time-tables; guard belt and shafting; keep stairway clear; designate water-closets.	Complied.
Henry F. Miller & Sons, . .	Pianos, . . .	100	—	—	—	Good, .	Safety for elevator, .	Complied.
Smith & Anthony Stove Co., .	Stoves, . . .	172	—	—	1	Fair, .	Procure certificate; post time-table; guard crank; clean privy.	Complied.
Citizens' Gas Light Co., . .	Gas and electric light.	8	—	—	—	Good, .	Guard fly-wheels and belts in dynamo and engine room.	Complied.
Thomas Emerson's Sons, . .	Boots and shoes, .	54	26	—	1	Good, .	Procure certificate; post time-tables; guard set-screws.	Complied.
L. B. Evans' Son, . . .	Shoes, . . .	25	4	—	—	—	Provide privy and designate, .	—
S. J. Putney, . . .	Heel stock, . . .	8	—	—	—	—	None, . . .	—

WALTHAM.

Boston Manufacturing Co., .	Knitted underwear,	493	689	—	56	Good, .	Guard cranks of engines, .	Complied.
Waltham Bleachery & Dye Works, .	Bleachery, .	255	15	—	—	Good, .	Guard fly-wheels, cranks and belts,	Complied.
Davis & Farnum Manuf'g Co., .	Ma-hinery, .	159	1	—	—	Fair, .	Guard fly-wheel and crank, .	Complied.
American Laundry Co., .	Laundry, .	8	21	—	—	Fair, .	Designate water-closet, .	Complied.
American Watch Tool Co., .	Watch tools, .	53	9	—	—	Good, .	Designate water-closets, .	Complied.
Waltham Steam Laundry, .	Laundry, .	5	29	—	2	Fair, .	Guard fly-wheel, .	Complied.
A. J. Logan, .	Hair springs, .	4	1	—	—	Good, .	None, .	—
Godber & Parker, .	Jewels, .	6	—	—	3	Fair, .	Procure certificates; post time-tables, .	Complied.
The Waltham Screw Co., .	Screws, .	9	—	—	—	Good, .	Post time-table, .	Complied.
Judson L. Thomson Manufacturing Co., .	Buckles, .	138	17	—	16	Fair, .	Provide privy for males, .	Complied.
American Crayon Co., .	Tailors' chalk, .	8	—	—	2	Fair, .	Procure certificates; post time-tables, .	Complied.
John Stark, .	Watch tools, .	13	—	—	—	Poor, .	Clean privy, .	Complied.
Waltham Electric Clock Co., .	Electric clocks, .	8	—	—	—	Poor, .	None, .	—
Waltham Gas Light Co., .	Gas and electric light, .	28	—	—	—	Good, .	Guard belts in electric rooms, .	Complied.
Waltham Free Press, .	Newspaper and job printing, .	3	3	—	1	Poor, .	Procure certificate; post time-tables; provide water-closets and designate, .	— *
Waltham Emery Wheel Co., .	Emery wheels, .	36	—	—	—	Fair, .	Guard fly-wheel and belt, .	Complied.
Boston Emery Wheel Co., .	Emery wheels, .	6	—	—	—	Fair, .	None, .	—
E. W. Lane, .	Church organs, .	7	—	—	—	Good, .	None, .	—
The Buttrick Lumber Co., .	House finish, .	8	—	—	—	Fair, .	None, .	—
Waltham Foundry Co., .	Iron, .	34	—	—	—	Poor, .	Guard fly-wheel, cranks and belts; guard elevator opening; clean privy, .	Complied.
American Waltham Watch Co., .	Watches, .	730	806	—	3	Good, .	None, .	—

* Partial compliance.

DISTRICT NO. 1—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		NUMBER EMPLOYED.						
		Males.	Females.	Under 14.	14 to 16.			
WOBURN.								
Kenney & Murphy, . . .	Leather, . . .	20	—	—	Fair, . . .	Guard belts, . . .	Complied.	
Edward Gallagher, . . .	Pasted shoe stock, . . .	3	10	—	Poor, . . .	Post time-tables; clean privy, . . .	Complied.	
W. P. Fox & Son, . . .	Leather, . . .	54	—	—	Fair, . . .	Procure certificate; post time-table, . . .	Complied.	
G. & E. G. Place & Co., . . .	Leather, . . .	45	—	—	Fair, . . .	Procure certificates; post time-tables; guard set-screws; provide privy.	Complied.	
George A. Hobbs, . . .	Job printing, . . .	4	1	—	Good, . . .	Post time-table, . . .	Complied.	
John M. Wallace, . . .	Newspaper and job printing.	4	2	—	Poor, . . .	Post time-tables; provide privies and designate.	Complied.	
J. T. Freeman & Co., . . .	Steam pipes, . . .	17	—	—	Fair, . . .	None, . . .	—	
N. W. Eaton & Co., . . .	Pasted shoe stock, . . .	30	44	—	Fair, . . .	None, . . .	—	
Stephen Dow & Co., . . .	Leather, . . .	100	—	—	Fair, . . .	Procure certificate; post time-table; guard fly-wheel, belts and crank.	Complied.	
F. S. Bassett & Co., . . .	Machinery, . . .	4	—	—	Fair, . . .	Post time-table, . . .	Complied.	
Bancroft & Brooks, . . .	Pasted shoe stock, . . .	2	2	—	Fair, . . .	Procure certificate; post time-tables, . . .	Complied.	
P. McGowan, . . .	Leather, . . .	25	—	—	Fair, . . .	None, . . .	—	
Shaw Leather Co., . . .	Leather, . . .	150	—	—	Fair, . . .	Post time-table; guard fly-wheel, crank, belts, mills and set-screws; safety for elevator.	Complied.	
J. P. Crane & Co., . . .	Leather, . . .	45	—	—	Fair, . . .	Procure certificate; post time-table; guard fly-wheel, crank and belts	Complied.	
Beggs & Cobb, . . .	Leather, . . .	45	—	—	Fair, . . .	Post time-table; guard belts and set-screws.	Complied.	

F. A. Loring, Baeder, Adamson & Co.,	Leather, Glue,	177	-	-	Fair,	None, Post time-table; guard belts, set- screws and four fly-wheels.	Complied.
Russell Counter Co.,	Shoe stock,	72	69	15	Good,	Procure certificates; post time- tables; guard dynamo and belts in sorting-room and set-screws.	Complied.
J. B. Murray & Co.,	Leather,	45	-	1	Fair,	Procure certificate; post time-table; guard belt.	Complied.
Geo. A. Simonds & Co.,	Shoe stock,	30	43	12	Fair,	Procure certificates; post time- tables.	Complied.
J. B. Murray & Co.,	Shoe stock,	32	43	6	Fair,	Procure certificates; post time- tables.	Complied.
P. McGowen; F. C. Parker, owner,	Leather,	40	-	-	Poor,	Post time-table; guard belts, shaft- ing and gearing in attic; clean and ventilate privies.	Complied.
J. Fred'k Buel, E. Rollins, Jr.,	Machinery, Shoe stock,	5 10	- 17	-	Fair, Fair,	None, Post time-tables; guard fly-wheel and belt.	Complied.
Francis Healey, C. G. Lund & Co., James H. Carr,	Leather, Leather, Pasted shoe stock,	4 40 2	- - 2	-	Fair, Fair, Poor,	None, None, Post time-tables; guard fly-wheel; provide privy and designate.	- - Complied.
C. B. Bryant, James Robertson,	Leather, Leather,	30 15	- -	-	Fair, Fair,	None, Post time-table; guard fly-wheel, crank and belt.	- Complied.
Woburn Electric Light Co.,	Electric light,	16	1	-	Fair,	Post time-table; guard fly-wheels and belts.	Complied.
Woburn Steam Laundry, J. Robertson & Co.,	Laundry, Leather,	10 15	110 -	-	Good, Fair,	Post time-tables, Guard fly-wheel and belt,	Complied. -

* Moved to North Wilmington.

DISTRICT No. 1 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
WINCHESTER.								
Day, Wilcox & Co., . . .	Leather, . . .	60	—	—	1	Fair, .	Procure certificate; post time-table; guard fly-wheel and crank.	Complied.
Stephen Dow & Co., . . .	Leather, . . .	100	—	—	—	Fair, .	Guard fly-wheel, belts and set-screws.	Complied.
Blank Bros., No. 1, . . .	Leather, . . .	16	—	—	—	Fair, .	Guard fly-wheel belt, . . .	Complied.
Blank Bros., No. 2, . . .	Leather, . . .	18	—	—	—	Poor, .	Post time-table; guard fly-wheel belt; provide privy.	Complied.
Whitney Machine Co., . . .	Machinery, . . .	8	—	—	—	Fair, .	Guard fly-wheel, crank and belt in machine shop.	—
S. C. Small & Co., . . .	Furniture, . . .	24	—	—	—	Fair, .	Guard circular saws, . . .	—
Beggs & Cobb, . . .	Leather, . . .	250	—	—	—	Poor, .	Post time-table; guard fly-wheel, crank and belt; repair and clean privy.	Complied.
Winchester Furniture Co., . . .	School furniture, . . .	15	—	—	—	Fair, .	Post time-table; guard belt, . . .	Complied.
WILMINGTON.								
G. & E. G. Place & Co., . . .	Leather, . . .	66	—	—	2	Fair, .	Procure certificates, . . .	Complied.
WESTFORD.								
Abbott Worsted Mills, . . .	Carpet yarns, . . .	80	81	3	19	Fair, .	Guard set-screws, . . .	—
C. G. Sargent's Sons, . . .	Wool-washing machines, . . .	44	—	—	1	Fair, .	Procure certificate; post time-table; guard fly-wheel, crank and belt.	—

*Report of Elevators Inspected.*DISTRICT NO. 1. JAMES C. MURRAY, *Inspector.*

NAME OF BUILDING.	No. of Elevators	Condition.	Orders Given.	Compliances.
Cambridge.				
Charles Place,	1	Good,	None.	-
Mason & Hamlin,	1	Good,	None.	-
Ivers & Pond,	1	Good,	None.	-
A. H. Davenport,	1	Good,	None.	-
John Wilson & Son,	1	Poor,	Procure safety,	Complied.
The New York Biscuit Co., . .	1	Good,	None.	-
Carlos L. Page & Co.,	1	Good,	None.	-
A. H. Hews & Co.,	4	Good,	None.	-
John P. Squire & Co.,	4	Good,	None.	-
Hawkins Machine Co.,	1	Good,	None.	-
The Dover Stamping Co., . . .	1	Good,	None.	-
D. Bartlett,	1	Poor,	Procure safety device.	-
Little, Brown & Co.,	1	Poor,	Procure safety device,	Complied.
Cambridgeport Diary Co., . . .	1	Good,	None.	-
H. O. Houghton & Co.,	4	-	Procure safety devices,	Complied.
John Reardon & Sons,	3	-	Procure safety device,	Complied.
Asa P. Morse,	1	Poor,	Procure safety device,	Complied.
Hall Bros.,	1	Good,	None.	-
Reversible Collar Co.,	3	Good,	None.	-
John C. Dow & Co.,	1	Good,	None.	-
Hudson.				
Frank H. Chamberlain,	1	Good,	None.	-
F. Brigham & Co.,	1	Good,	None.	-
Littleton.				
Avery Lactart Co.,	1	Poor,	Procure safety device,	Complied.
Lowell.				
Horace B. Shattuck,	1	Poor,	Procure safety device,	Complied.
John M. Pevey,	1	Good,	None.	-
Pickering Knitting Co.,	1	Good,	None.	-
Lamson Consolidated Store Service Co.,	1	Good,	None.	-
Otis Allen & Son,	2	Good,	None.	-
Shaw Stocking Co.,	1	Poor,	Procure safety device,	Complied.
F. S. Perkins,	1	Poor,	Procure safety device,	Complied.
The Kitson Machine Co.,	2	Good,	None.	-
George W. Fifield,	1	Good,	None.	-
Knowles Scale Works,	1	Good,	None.	-
W. W. Carey,	1	Good,	None.	-
Appleton Co.,	3	Good,	None.	-
Lowell Machine Co.,	#	-*	Procure safety devices,	Complied.
Hamilton Manufacturing Co., . .	10	Good,	None.	-
Tremont & Suffolk Manuf'g Co., .	5	Good,	None.	-
Lowell Card Co.,	1	Poor,	Safety device.	-
Shaw Stocking Co.,	2	Poor,	Procure safety device.	-
Malden.				
Boston Rubber Shoe Co.,	6	-*	Procure safety devices,	Complied.
Melrose.				
Boston Rubber Shoe Co.,	3	-*	Procure safety devices,	Complied.
Somerville.				
George W. Norton,	1	Good,	None.	-
C. M. Hinckley,	1	Good,	None.	-
Cushman Bros. & Co.,	1	Poor,	Procure safety device,	Complied.
W. K. Lewis & Bros.,	1	Good,	None.	-
Derby & Kilmer Desk Co., . . .	2	Good,	None.	-

* Three not good.

Report of Elevators Inspected — Concluded.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Stoneham.				
Edward F. Sanborn & Co., . . .	1	Good,	None.	-
William Tidd & Co., . . .	1	Good,	None.	-
Wakefield.				
Wakefield Rattan Co., . . .	7	Good,	Procure safety device for one elevator.	Complied.
Winship, Bolt & Co., . . .	1	Good,	None.	-
Waltham.				
Waltham Bleachery & Dye W'ks,	1	Good,	None.	-
American Crayon Co., . . .	1	Good,	None.	-
American Waltham Watch Co., .	1	Good,	None.	-
Westford.				
Abbott Worsted Mills, . . .	3	Good,	None.	-
Woburn.				
The Shaw Leather Co., . . .	1	Poor,	Procure safety device,	Complied.
Bender, Adamson & Co., . . .	1	Good,	None.	-
C. G. Lund & Co., . . .	1	Good,	None.	-
Woburn Steam Laundry, . . .	1	Good,	None.	-
Wayland.				
Bent Bros. & Co., . . .	1	Poor,	Procure safety device,	Complied.
Bent Bros. & Co., . . .	2	Good,	None.	-
N. C. Griffin, . . .	1	Good,	None.	-

REPORT OF INSPECTOR HALSTRICK.

In connection with the enforcement of the factory laws, I wish to state that much of my time has been devoted to the enforcement of the following section, chapter 98 of the Acts of 1887:

Whoever on the Lord's day keeps open his shop, warehouse or workshop, or does any manner of labor, business or work, except works of necessity and charity, shall be punished by a fine not exceeding fifty dollars for each offence.

Complaint having been made against photographers for alleged violations of the above law, a thorough investigation was made, which resulted in the finding of a majority of the studios in Boston open and doing business on the Lord's Day, and as such work could not, in conformity with said law, be classed as work of necessity or charity, orders were immediately issued to all photographers in the city of Boston to close their studios and cease work on the Lord's Day. Personal investigation subsequent to the issuing of said orders has failed to discover a single instance

wherein the requirements of said law have not been fully complied with.

Nothing in this section is held to prohibit the manufacture and distribution of steam, gas or electricity for illuminating purposes, heat or motive power; nor the distribution of water for fire or domestic purposes; nor the use of the telegraph or the telephone; nor the retail sale of drugs and medicines; nor articles ordered by the prescription of a physician; nor mechanical appliances used by physicians or surgeons; nor the letting of horses and carriages; nor the letting of yachts and boats; nor the running of steam ferry-boats on established routes; nor of street railway cars; nor the preparation, printing and publishing of newspapers; nor the sale and delivery of newspapers; nor the retail sale and delivery of milk; nor the transportation of milk; nor the making of butter and cheese; nor the keeping open of public bath-houses; nor the making or selling, by bakers or their employees, of bread or other food usually dealt in by them, before 10 o'clock in the morning and between the hours of 4 o'clock and 6.30 o'clock in the evening.

The observance of the requirements of the law relative to the employment of women and minors, chapter 357 of the Acts of 1892, has been quite general except in a few instances in the city of Boston, where last winter my attention was particularly directed to printing offices, bookbinding establishments and furriers. In only a few establishments was it found that the law prescribing fifty-eight hours as a week's work for women and minors was being violated, and in said places proprietors claimed that the working of overtime was entirely optional with the employees (principally women), as it was to their pecuniary advantage to work extra hours. But the practice being contrary to the law, which went into effect July 1, 1892, the proprietors were ordered to discontinue it.

The law relating to the employment of custodians of elevators, Acts of 1890, which provides that no person, firm or corporation shall employ or permit any person under fifteen years of age to have the care or operation of any elevator, has been thoroughly enforced, and the law requiring mercantile establishments to send to the Chief of the District Police a written notice of accident to an employee (which law includes all elevator accidents occurring in the city of Boston) has been well complied with. Elevators in the district have been invariably constructed in the manner required by law, and measures have been taken to have the elevator shafts thoroughly protected.

Under the law relating to the safety of employees, the safeguards provided to protect life and limb, and the precautions

taken by the manufacturers to guard all dangerous machinery tend to show that the laws have been respected.

The results of the enforcement of the law in regard to sanitation are quite apparent.

The observance of the requirements of the law relative to the employment of children has been quite general. The decrease during the past year in the number of employed children under the age of fourteen years is manifestly greater than that of the preceding year.

I am pleased to say that the requirements of the various factory laws are usually promptly complied with.

JAMES HALSTICK, *Inspector.*

DISTRICT No. 2,

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
ASHLAND.								
F. A. Whicher & Co., . . .	Boots and shoes, .	375	75	—	7	Good, .	Post time notice; certificate for minors; guard shafting, main belt, pulley and belt to dynamo and belt to lasting machine.	Complied.
Warren Thread Co., . . .	Cotton thread, .	20	60	—	—	Good, .	None,	—
J. A. Balcom, . . .	Shoes, . . .	16	1	—	—	Good, .	None,	—
C. Grieshaber & Co., . . .	Shoes, . . .	5	1	—	—	Good, .	None,	—
BELLINGHAM.								
Taft, McKean & Co., . . .	Satinets, . . .	70	50	—	—	Good, .	None,	—
Ray's Woolen Mill, . . .	Satinets, . . .	80	50	—	2	Good, .	None,	—
BOSTON.								
E. T. Cowdrey & Co, . . .	Can goods, . . .	25	25	—	—	Good, .	Post time notice,	Complied.
J. W. Strieder, . . .	Cigar boxes, . . .	57	18	—	—	Good, .	Post time notice,	Complied.
John J. Baird, . . .	Paper boxes, . . .	7	15	—	1	Good, .	Post time notice; certificate for minors.	Complied.
Walter Barnes, . . .	Paper boxes, . . .	14	70	—	—	Good, .	Post time notice,	Complied.
A. S. Morrison, . . .	Paper boxes, . . .	4	47	—	—	Good, .	Post time notice,	Complied.
A. G. Cheever, . . .	Paper boxes, . . .	8	25	—	1	Good, .	Post time notice; certificate for minors	Complied.
Elliott Paper Box Co., . . .	Paper boxes, . . .	4	16	—	1	Good, .	Post time notice,	Complied.

D. B. Hatch, . . .	Paper boxes, . . .	4	21	-	-	Good, . .	None, . .	. . .	-
H. A. Flick, . . .	Paper boxes, . . .	3	7	-	-	Good, . .	None, . .	. . .	-
Boston Paper Box Co., . . .	Paper boxes, . . .	7	33	-	-	Good, . .	None, . .	. . .	-
C. A. Brackett, . . .	Paper boxes, . . .	10	25	-	-	Good, . .	None, . .	. . .	-
Brooks, Bonnell & Co, . . .	Paper boxes, . . .	40	25	-	-	Good, . .	Post time notice, . .	. . .	Complied.
P. L. E. Alberii, . . .	Cigar boxes, . . .	19	6	-	-	Good, . .	Post time notice, . .	. . .	Complied.
J. R. Grose, . . .	Paper boxes, . . .	4	8	-	-	Good, . .	None, . .	. . .	-
Barton P. Jenks, . . .	Silversmith, . . .	12	-	-	-	Good, . .	None, . .	. . .	-
W. P. Marble & Co., . . .	Art novelties, . . .	4	10	-	-	Good, . .	None, . .	. . .	-
Chas. F. Grilley, . . .	Axle washers, . . .	5	10	-	-	Good, . .	None, . .	. . .	-
Mellen Bray & Co., . . .	Organ reeds, . . .	5	1	-	-	Good, . .	None, . .	. . .	-
G. Lanzendoerfer, . . .	Patent medicines, . . .	1	3	-	-	Good, . .	None, . .	. . .	-
Weinz Manufacturing Co., . . .	Dress trimmings, . . .	24	60	-	4	Good, . .	None, . .	. . .	-
F. P. Adams & Co., . . .	Bottlers of pre-serves, . . .	7	7	-	-	Good, . .	None, . .	. . .	-
F. G. Gilbert, . . .	Machinist, . . .	7	3	-	-	Good, . .	Post time notice, . .	. . .	Complied.
J. H. Daniels & Son, . . .	Plate printers, . . .	12	11	-	2	Good, . .	Post time notice; certificate for minors, . .	. . .	Complied.
Youths' Companion, . . .	Publishers, . . .	240	300	-	-	Good, . .	Post time notice, . .	. . .	Complied.
G. W. Palfrey, . . .	Cigars, . . .	5	2	-	-	Good, . .	Post time notice, . .	. . .	Complied.
S. K. Abbott Co., . . .	Pamphlet binding, . . .	20	150	-	12	Good, . .	None, . .	. . .	-
Boston Mailing Co., . . .	Binding and mailing, . . .	60	115	-	2	Good, . .	None, . .	. . .	-
W. S. Best, . . .	Printing, . . .	26	1	-	-	Good, . .	None, . .	. . .	-
The Thompson & Norris Co., . . .	Paper boxes, . . .	15	35	-	2	Good, . .	None, . .	. . .	-
Boston Hotel and Steamboat Laundry, . . .	Laundry, . . .	6	23	-	-	Good, . .	None, . .	. . .	-
Canton Street Laundry Co., . . .	Laundry, . . .	4	32	-	-	Good, . .	None, . .	. . .	-
Shawmut Steam Laundry, . . .	Laundry, . . .	3	16	-	-	Good, . .	None, . .	. . .	-
Boston Custom Laundry, . . .	Laundry, . . .	13	35	-	-	Good, . .	None, . .	. . .	-
City Laundry, . . .	Laundry, . . .	5	50	-	1	Good, . .	None, . .	. . .	-

DISTRICT NO. 2 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.				14 to 16.
BOSTON — Continued.							
Sargent's Steam Laundry, . . .	Laundry, . . .	4	26	—	Good, . . .	. . .	—
Eastern Steam Laundry, . . .	Laundry, . . .	5	20	—	Good, . . .	. . .	—
E. P. Cox Laundry Co., . . .	Laundry, . . .	11	75	—	Good, . . .	. . .	—
Back Bay Custom Laundry, . . .	Laundry, . . .	20	70	—	Good, . . .	. . .	—
American Hand Laundry, . . .	Laundry, . . .	1	20	—	Good, . . .	. . .	—
Roxbury Laundry, . . .	Laundry, . . .	4	12	—	Good, . . .	. . .	—
Victoria Laundry, . . .	Laundry, . . .	2	4	—	Good, . . .	. . .	—
French Laundry, . . .	Laundry, . . .	—	3	—	Good, . . .	. . .	—
Olympian Laundry, . . .	Laundry, . . .	1	11	—	Fair, . . .	. . .	Complied.
Carlton Laundry, . . .	Laundry, . . .	2	7	—	Fair, . . .	. . .	Complied.
Home Laundry, . . .	Laundry, . . .	—	11	—	Fair, . . .	. . .	—
Trinity House Laundry, . . .	Laundry, . . .	—	17	—	Good, . . .	. . .	Complied.
Home Laundry, . . .	Laundry, . . .	—	2	—	Fair, . . .	. . .	—
The Raymond Syndicate, . . .	Fancy goods, . . .	6	45	—	Good, . . .	. . .	—
Little, Maxwell & Co., . . .	Boots, . . .	76	75	11	Good, . . .	. . .	—
Clinton Manufacturing Co., . . .	Rubber clothing, . . .	15	110	—	Good, . . .	. . .	Complied.
Educational Publishing Co., . . .	Publishing, . . .	12	10	—	Fair, . . .	Sanitary provisions, . . .	Complied.
H. Crine, . . .	Furs, . . .	10	10	—	Fair, . . .	. . .	—
Plymouth Waist Co., . . .	Boys' waists, . . .	5	30	—	Fair, . . .	. . .	Complied.
Rapid Printing Co., . . .	Printing, . . .	13	12	—	Fair, . . .	. . .	Complied.
D. F. Larrabee & Co., . . .	Fancy goods, . . .	15	127	—	Fair, . . .	. . .	Complied.
E. B. Sears, . . .	Furrier, . . .	9	27	—	Fair, . . .	. . .	—

L. G. McIntosh,	.	10	30	5	Fair,	.	None,	.	.	Compld.
Lampson & Hubbard,	.	35	40	—	Fair,	.	None,	.	.	—
E. Kakas & Sons,	.	15	45	—	Fair,	.	None,	.	.	—
Phelps & Lombard,	.	40	20	—	Fair,	.	None,	.	.	—
I. H. Dinner,	.	30	15	1	Fair,	.	None,	.	.	—
The Hub Manufacturing Co.	Knitting	9	6	—	Fair,	.	Post time notice,	.	.	Compld.
A. E. Ledvak,	.	—	2	—	Fair,	.	Post time notice,	.	.	Compld.
Norman & Bennett,	.	67	33	—	Fair,	.	Post time notice,	.	.	Compld.
N. E. Magazine Publishing Co.,	.	45	45	2	Fair,	.	Certificates for minors,	.	.	Compld.
F. H. Gilson & Co.,	Music publishers,	60	65	—	Fair,	.	None,	.	.	—
White Smith Music Pub. Co.,	Music publishers,	48	14	1	Fair,	.	None,	.	.	—
J. W. Strieder,	Cigar-boxes,	47	15	—	Fair,	.	None,	.	.	—
Highland Bleachery,	Bleachery,	1	4	—	Fair,	.	None,	.	.	—
Hub Shirt Co.,	Shirts,	3	7	—	Fair,	.	None,	.	.	—
Geo. E. Crosby & Co.,	Printing,	12	4	—	Fair,	.	None,	.	.	—
Miss Ashe,	Shirts,	—	5	—	Fair,	.	None,	.	.	—
M. A. Waterhouse,	Corsets,	—	2	—	Good,	.	None,	.	.	—
F. A. Moore,	Corsets,	3	10	—	Good,	.	None,	.	.	—
W. J. Dismore,	Society goods,	1	5	—	Good,	.	None,	.	.	—
National Paper Box Co.,	Paper boxes,	3	8	—	Good,	.	None,	.	.	—
S. H. Sanborn & Sons,	Bookbinding,	9	13	—	Good,	.	None,	.	.	—
T. W. Ripley,	Printing,	26	9	—	Good,	.	None,	.	.	—
B. Dore,	Ladies' shoes,	55	50	—	Good,	.	None,	.	.	—
C. W. Upham,	Bookbinding,	10	5	—	Good,	.	None,	.	.	—
E. Adams & Co.,	Bookbinding,	27	58	—	Good,	.	None,	.	.	—
C. A. Pinkham & Co.,	Printing,	42	8	—	Good,	.	None,	.	.	—
Jacob Norton,	Printing,	5	13	—	Good,	.	None,	.	.	—
H. G. Collis,	Printing,	90	35	—	Good,	.	None,	.	.	—
Boston Counter Co.,	Shoe counters,	50	—	2	Good,	.	None,	.	.	—
Feidler & Moeldner,	Silk trimmings,	65	75	2	Good,	.	None,	.	.	—

District No. 2 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.		Females.	Under 14.				14 to 16.
BOSTON — Continued.									
Stiles & Winslow, . . .	Morocco, . . .	45	—	—	—	Good, . . .	None, . . .	—	
Geo. E. Todd & Co., . . .	Printing, . . .	4	5	—	—	Good, . . .	None, . . .	—	
A. J. Doyle, . . .	Paper ruling, . . .	2	2	—	—	Good, . . .	None, . . .	—	
A. J. Philpot & Co., . . .	Printing, . . .	5	2	—	—	Good, . . .	None, . . .	—	
J. E. Farwell, . . .	Printing, . . .	11	5	—	—	Good, . . .	None, . . .	—	
Farmer Bank Note Co., . . .	Steel plate printing, . . .	2	1	—	—	Good, . . .	None, . . .	—	
N. E. Publishing Co., . . .	Publishing, . . .	6	6	—	—	Good, . . .	None, . . .	—	
Croke Printing Co., . . .	Printing, . . .	5	2	—	—	Good, . . .	None, . . .	—	
Geo. Frost Co., . . .	Corsets, . . .	25	175	—	—	Good, . . .	None, . . .	—	
L. Prang & Co., . . .	Lithography, . . .	75	75	—	—	Good, . . .	None, . . .	—	
A. Ziegler, . . .	Worsteds goods, . . .	20	80	—	—	Good, . . .	None, . . .	—	
Pearson's Cordage Co., . . .	Cordage, . . .	441	240	—	83	Good, . . .	None, . . .	—	
N. E. Piano Co., . . .	Pianos, . . .	240	35	—	—	Good, . . .	None, . . .	—	
G. S. Guyer & Co., . . .	Hats, . . .	25	25	—	1	Good, . . .	None, . . .	—	
The E. Howard Watch Co., . . .	Watches and clocks, . . .	140	60	—	—	Good, . . .	None, . . .	—	
Beacon Vacuum Pump Co., . . .	Incandescent lamps, . . .	146	90	—	5	Good, . . .	None, . . .	—	
Jordan, Marsh & Co. (workshop), . . .	Cotton underwear, . . .	5	120	—	—	Good, . . .	None, . . .	—	
Angier Chemical Co., . . .	Chemicals, . . .	4	6	—	—	Good, . . .	None, . . .	—	
Beacon Shoe Manufacturing Co., . . .	Shoes, . . .	50	40	—	—	Good, . . .	Post time notice, . . .	Complied.	

Company	1	5	—	—	Good,	Post time notice,	Post time notice,	Complied
Holmes & Laforme,	22	3	—	—	Good,	None,	None,	—
Milo Whitney,	15	35	—	—	Good,	None,	None,	—
Potter Drug & Chemical Corporation.								
T. E. & J. A. Greene,	24	57	—	—	Good,	None,	None,	—
Dennison Manufacturing Co.,	219	270	—	—	Good,	None,	None,	—
Mills, Knight & Co.,	50	48	—	—	Good,	None,	None,	—
F. Eeles & Co.,	18	40	—	—	Good,	None,	None,	—
Boston Thread & Twine Co.,	45	185	—	—	Good,	None,	None,	—
Alfred Mudge & Son,	110	75	—	2	Good,	None,	None,	—
Everett Press Co.,	12	8	—	—	Good,	Post time notice,	Post time notice,	Complied.
Boston Bank Note Co.,	27	3	—	—	Good,	None,	None,	—
S. Wood Co.,	50	25	—	1	Good,	None,	None,	—
Roxbury Electric Cable Co.,	55	—	—	—	Good,	None,	None,	—
A. J. Tower,	100	200	—	—	Good,	None,	None,	—
Roxbury Carpet Co.,	220	530	—	63	Good,	None,	None,	—
Brooks Bank Note Co.,	33	10	—	2	Good,	None,	None,	—
Standard Cordage Co.,	153	217	—	14	Good,	None,	None,	—
Sparrell Print,	15	3	—	—	Good,	None,	None,	—
Clifton Manufacturing Co.,	5	75	—	—	Good,	None,	None,	—
A. Storrs Bement Co.,	1	4	—	—	Good,	None,	None,	—
John A. Lowell,	23	25	—	—	Good,	None,	None,	—
Hancock Inspirator,	101	4	—	—	Good,	None,	None,	—
Never Slip Horseshoe Co.,	10	—	—	—	Good,	Post time notice,	Post time notice,	Complied.
Margot Brothers,	9	4	—	—	Good,	None,	None,	—
Rand Avery Supply Co.,	140	35	—	10	Good,	None,	None,	—
Geo. H. Ellis,	45	45	—	2	Good,	None,	None,	—
R. Carrington,	1	2	—	—	Good,	None,	None,	—
W. M. Miller & Co.,	6	1	—	—	Good,	None,	None,	—

DISTRICT NO. 2 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
BOSTON — Continued.								
W. P. Hamford & Co., . . .	Printing, . . .	4	3	—	—	Good, .	None, .	—
J. H. Wheeler, . . .	Plate printing, . .	31	2	—	7	Good, .	Post time notice; certificates for minors.	Complied.
Reece Button Hole Machine Co.,	Button - hole machines.	100	—	—	—	Good, .	Notice to pay weekly, . .	Complied.
Hovey & Harding, . . .	Art novelties, . .	50	45	—	—	Good, .	Post time-table, . .	Complied.
Kearney Cutter Dressing Co.,	Shoe dressing, . .	2	4	—	—	Good, .	Post time notice, . .	Complied.
Clifton Manufacturing Co.,	Rubber goods, . .	1	7	—	—	Good, .	None, . .	—
Basch & Goldstein, . . .	Caps, . . .	1	13	—	—	Good, .	None, . .	—
S. A. F. Whipple, . . .	Laundry, . . .	5	29	—	—	Good, .	None, . .	—
Standard Laundry, . . .	Laundry, . . .	2	7	—	—	Good, .	None, . .	—
Suffolk Co., . . .	Saddlery hardware, .	11	1	—	1	Good, .	Post time notice, . .	Complied.
Pearsons Cordage Co., . . .	Cordage, . . .	500	200	—	45	Good, .	None, . .	—
Dennison Manufacturing Co.,	Tags and paper boxes.	250	275	—	—	Good, .	None, . .	—
Cable Rubber Co, . . .	Rubber clothing, . .	15	25	—	—	Good, .	None, . .	—
J. W. Strieder, . . .	Cigar boxes, . . .	50	25	—	—	Good, .	None, . .	—
N. E. Morocco Co., . . .	Morocco, . . .	5	20	—	—	Good, .	None, . .	—
J. C. Pushee & Sons, . . .	Brushes, . . .	46	84	—	30	Good, .	None, . .	—
Commercial Laundry, . . .	Laundry, . . .	3	9	1	2	Good, .	Post time notice; certificates for minors.	Complied.

Shawmut Steam Laundry, Sturtevant Blower Co.,	Laundry, Blowers and ex- haust fans.	5 250	20	-	-	Good, Good,	None, None,	.	.	.	.	-
Roxbury Steam Laundry, Church Cleaning Co.,	Laundry, Carpet cleaning,	3 3	17 1	-	-	Good, Good,	Post time notice, Post time notice,	.	.	.	.	Complied. Complied.
City Laundry, Walter S. Barnes,	Laundry, Paper boxes,	5 10	45 80	-	-	Good, Good,	None, None,	.	.	.	.	-
Frank F. Hodges, Lux Engraving Co.,	Carpets, Engraving,	6 18	6 -	-	-	Good, Good,	Post time notice, Certificates for minors; post time notice,	.	.	.	.	Complied. Complied.
Columbian Printing Co., Upham Bookbindery,	Printing, Bookbinding,	13 9	2 7	-	-	Good, Good,	Post time notice, Post time notice,	.	.	.	.	Complied. Complied.
C. H. Simonds, Household Mailing Dept.,	Printing, Pamphlet mailing,	33 2	18 6	-	-	Good, Good,	Post time notice, Post time notice,	.	.	.	.	Complied. Complied.
L. Prang & Co., A. Ziegler,	Lithography, Narrow fabrics, gar- ments.	70 10	70 85	-	-	Good, Good,	None, None,	.	.	.	.	-
R. & J. Gilchrist,	Alteration of gar- ments.	-	5	-	-	Good, Good,	None, None,	.	.	.	.	-
Eastern Steam Laundry, The F. P. Cox Laundry Co.,	Laundry, Laundry,	6 25	34 60	-	-	Good, Good,	None, None,	.	.	.	.	-
White Smith Music Pub. Co., F. H. Gilson Co.,	Music printing, Printing and book- binding.	48 63	10 52	-	-	Good, Good,	None, None,	.	.	.	.	-
Richardson, Howe & Lovejoy, Eastern Electric Cable Co.,	Ladies' wrappers, Insulated wire,	15 72	25 -	-	-	Good, Good,	Post time notice, None,	.	.	.	.	Complied.
W. T. Page & Co., Goodnow & Jenks,	Fancy slippers, Silversmiths,	31 12	9 -	-	-	Good, Good,	None, None,	.	.	.	.	-
Weinz Manufacturing Co., E. P. Adams & Co.,	Cloak trimmings, Bottlers,	5 6	20 6	-	-	Good, Good,	None, None,	.	.	.	.	-
Hoyt Rubber Co., Beacon Vacuum Pump Co.,	Rubber goods, Electrical goods,	3 16	2 59	-	-	Good, Good,	None, None,	.	.	.	.	-

DISTRICT NO. 2 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
BOSTON — Continued.									
Angier Chemical Co.,	Chemists,	3	3	—	—	Good.	None,	—	
Jordan, Marsh & Co., workshop,	Underwear,	4	96	—	—	Good.	None,	—	
Educational Publishing Co.,	Printing,	11	11	—	—	Good.	None,	—	
S. C. Robinson,	Printing,	6	6	—	—	Good.	None,	—	
Boston Bolt Co.,	Bolts,	5	—	—	—	Good.	Guard driving-wheel,	Complied.	
C. W. Calkins,	Printing,	14	4	—	—	Good.	Post time notice,	Complied.	
Rumrell & Co.,	Tin boxes,	1	2	—	—	Good.	Post time notice,	Complied.	
P. L. E. Alberti,	Cigar boxes,	19	9	—	—	Good.	None,	—	
Rich, Reed & Atwood,	Trunks,	14	1	—	—	Good.	Post time notice,	Complied.	
T. Y. Crowell & Co.,	Publishing,	54	106	—	—	Good.	Post time notice,	Complied.	
Poole Printing Co.,	Printing,	6	1	—	—	Good.	Post time notice,	Complied.	
R. Burlin,	Bookbinding,	13	13	—	1	Good.	Post time notice,	Complied.	
D. Lothrop Co.,	Publishing,	43	33	—	—	Good.	None,	—	
National Binding Co.,	Binders for periodicals.	2	1	—	—	Good.	Post time notice,	Complied.	
Avery L. Rand,	Printing,	3	9	—	2	Good.	Guard belting; certificates for minors; post time notice.	Complied.	
S. F. Owen,	Women's wrap-pers.	1	22	—	—	Good.	None,	—	
Bay State Cut Sole Co.,	Cut soles,	14	—	—	—	Good.	None,	—	
J. R. Grose,	Paper boxes,	3	10	—	—	Good.	None,	—	
Boston Printing Co.,	Printing,	5	3	—	—	Good.	None,	—	

W. Richardson,	Music printing,	6	3	Good,	None,	.	.	.	.	Complied.
W. & A. Bacon,	Dry goods,	5	5	Good,	None,	.	.	.	.	-
Back Bay Custom Laundry,	Laundry,	10	40	Good,	None,	.	.	.	.	-
Thos. Smith & Co.,	Dry goods,	8	25	1 Good,	Certificates for minors,	.	.	.	.	Complied.
J. D. O'Brien,	Dress stays,	2	2	Good,	None,	.	.	.	.	-
T. E. Ash,	Printing,	2	1	Good,	None,	.	.	.	.	-
A. J. Smallage,	Ladies' skirts,	11	11	Good,	None,	.	.	.	.	-
R. F. Adams,	Heels,	2	12	Good,	None,	.	.	.	.	-
N. E. Buff Co.,	Bufs,	1	2	Good,	None,	.	.	.	.	-
Gossamer Rubber Clothing Co.,	Mackintoshes,	10	90	Good,	None,	.	.	.	.	-
Lady Gray Perfumery Co.,	Perfumery,	3	6	Good,	None,	.	.	.	.	-
A. & K. Dinner,	Embroidering,	4	4	Good,	Time notice,	.	.	.	.	Complied.
Winkler & Son,	Cloth caps,	1	5	Good,	None,	.	.	.	.	-
S. Rosenfield,	Cloth caps,	4	-	Good,	None,	.	.	.	.	-
Wheelock Manufacturing Co.,	Silk waists,	6	50	Good,	None,	.	.	.	.	-
E. L. Joslin,	Forms,	2	5	Good,	None,	.	.	.	.	-
John J. Baird,	Paper boxes,	1	10	Good,	None,	.	.	.	.	-
B. Z. Lantz,	Pin cushion,	2	3	Good,	Time notice,	.	.	.	.	Complied.
Linnemann & Co.,	Small wares,	5	2	Good,	Time notice,	.	.	.	.	Complied.
Willard & Quincy,	Fancy goods,	22	22	Good,	Time notice,	.	.	.	.	Complied.
David Wilcox & Co.,	Hats,	15	40	Good,	None,	.	.	.	.	-
Philadelphia Ice Cream Co.,	Ice cream,	4	-	Good,	Guard main belt,	.	.	.	.	Complied.
A. Fox & Co.,	Cloth caps,	20	15	Good,	None,	.	.	.	.	-
Berghelm & Co.,	Men's neck wear,	1	14	Good,	None,	.	.	.	.	-
W. U. Lewissan & Co.,	Umbrellas,	6	19	Good,	None,	.	.	.	.	-
Lampson & Hubbard,	Hats and caps,	50	50	Good,	None,	.	.	.	.	-
Kingston Knitting Co.,	Athletic garments,	7	18	Good,	Time notice; box belting and shaft- ing.	.	.	.	.	Complied.
Thos. L. Callaghan,	Carpets,	150	25	Good,	Post time-table,	.	.	.	.	Complied.
John H. Pray, Sons & Co.,	Carpets,	104	46	Good,	None,	.	.	.	.	-
G. F. Peavey,	.	-	2	Fair,	Post time notice,	.	.	.	.	Complied.

DISTRICT NO. 2 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
BOSTON — <i>Concluded.</i>								
West End Dye-house, . . .	. . .	1	1	—	—	Fair, .	Post time notice, .	Complied.
H. Krikorian, . . .	. . .	15	35	—	—	Good, .	None, .	—
Johnson Laundry, . . .	. . .	6	30	—	—	Good, .	Post time notice, .	Complied.
A. Emerson & Co., . . .	. . .	3	9	—	—	Good, .	None, .	—
FRAMINGHAM.								
T. L. Barber, . . .	Straw hats, . .	100	200	—	—	Good, .	None, .	—
Staples & Smalley, . . .	Straw hats, . .	75	175	—	—	Good, .	None, .	—
New England Rattan Co., . . .	Rattan chairs, .	36	4	—	—	Good, .	None, .	—
A. H. Ordway & Co., . . .	Rattan chairs, .	40	—	—	—	Good, .	None, .	—
Staples & Smalley, . . .	Straw hats, . .	75	175	—	—	Good, .	None, .	—
T. L. Barber & Co., . . .	Straw hats, . .	109	238	—	—	Good, .	None, .	—
Framingham Brass Factory, . . .	Brass goods, . .	28	2	—	1	Good, .	None, .	—
Saxonsville Mills, . . .	Worsted and woollen yarns.	95	155	—	20	Good, .	None, .	—
Gossamer Rubber Clothing Co., . . .	Rubber clothing, .	12	—	—	—	Good, .	None, .	—
Hickory Wheel Co., . . .	Bicycles, . . .	90	—	—	—	Good, .	Post time notice, .	Complied.
FRANKLIN.								
Ray's Shoddy Mill, . . .	Shoddy, . . .	29	1	—	—	Good, .	Post time notice, .	—
Ray's Cassimere Mill, . . .	Cassimeres, . . .	100	50	—	2	Good, .	. . .	—
Franklin Knitting Co., . . .	Knit goods, . . .	40	20	—	2	Good, .	. . .	—

Singleton Worsted Co.,	Worsted goods,	13	7	Good,	Post time notice,	Complied.
H. T. Hayward,	Satinets,	27	18	Good,	None,	-
Boston Rubber Co.,	Boots and shoes,	60	60	Good,	None,	-
Erickson & Stewart,	Straw hats,	40	135	Good,	None,	-
E. P. Bassett & Sons,	Straw goods,	80	200	Good,	None,	-
Waite's Felting Mill,	Felting,	23	2	Good,	None,	-
Trowbridge Piano Co.,	Pianos,	45	-	Good,	None,	-
E. D. Rockwood,	Hats,	2	5	Good,	None,	-
E. P. Carter & Son,	Dresses,	-	8	Good,	None,	-
Franklin Cotton Manufacturing Co.,	Wrapping twine,	5	21	Good,	Designate water-closets; guard belting; post time notice.	-
Ray's Fabric Mills,	Knit goods,	21	7	Good,	None,	-
HOPKINTON.						
A. Coburn, Sons & Co.,	Boots and shoes,	170	30	Good,	None,	-
Crooks, Root & Co.,	Boots and shoes,	185	90	Good,	None,	-
G. & F. W. Wood,	Boots and shoes,	113	12	Good,	None,	-
HOLLISTON.						
C. F. Driscoll,	Boots and shoes,	40	5	Good,	Guard shafting; box belting; post time notice.	Complied.
Holliston Shoe Co.,	Boots and shoes,	155	45	Good,	None,	-
John Clancy,	Boots and shoes,	49	3	Good,	Guard shafting; certificate for minors.	Complied.
C. F. Driscoll,	Boots and shoes,	43	2	Good,	None,	-
D. C. Mowry,	Straw hats,	50	100	Good,	None,	-
Holliston Harness Co.,	Harnesses,	34	2	Good,	Post time notice,	Complied.
Holliston Mills,	Woollen blankets,	72	18	Good,	None,	-

DISTRICT No. 2 — Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
HOPEDALE.								
Hopedale Machine Co.,	Cotton machinery,	224	80	—	—	Good.	None,	—
Hopedale Machine Sew Co.,	Screws,	111	—	—	—	Good.	None,	—
The Dutcher Temple Co.,	Loom temples,	63	6	—	—	Good.	None,	—
Hopedale Elastic Fabric Co.,	Elastic fabrics,	20	135	—	6	Good.	None,	—
MARLBOROUGH.								
Marlborough Steam Laundry,	Laundry,	4	10	—	1	Good.	None,	—
Germania Electric Co.,	Electrical appliances.	61	39	—	2	Good.	Post time notice,	Complied.
Marlborough Awl and Needle Co.,	Awls and needles,	10	—	—	2	Good.	Certificates for minors; post time notice.	Complied.
Boyd Corey Boot and Shoe Co.,	Boots and shoes,	304	196	—	29	Good.	Provide new hoisting rope to elevator.	Complied.
J. B. Billings,	Shoes,	78	47	—	1	Good.	None,	—
John O'Connell & Sons,	Shoes,	125	75	—	14	Good.	None,	—
Rice & Hutchins.,	Shoes,	275	150	—	30	Good.	None,	—
W. C. Lippard,	Heels,	4	3	1	1	Good.	Post time notice,	Complied.
Frank & Duston,	Paper boxes,	10	60	—	11	Good.	None,	—
A. F. Emery,	Boots and shoes,	67	21	—	—	Good.	Post time notice,	Complied.
Middlesex Factory,	Shoes,	190	85	—	18	Good.	None,	—
E. M. Low,	Paper boxes,	6	29	—	3	Good.	None,	—
Elmer Loring,	Leather remnants,	17	3	—	—	Good.	None,	—

Coolidge Shoe Co.,	Shoes, . . .	90	30	—	—	Good, .	None,	. . .	. . .	—
S. H. Howe Shoe Co.,	Shoes, . . .	330	130	—	12	Good, .	None,	. . .	. . .	—
S. H. Howe Co., Diamond F.,	Shoes, . . .	250	100	—	12	Good, .	None,	. . .	. . .	—
John A. Frye,	Boots and shoes, .	260	140	—	4	Good, .	None,	. . .	. . .	—
S. H. Howe Co., Diamond O.,	Boots and shoes, .	115	50	—	5	Good, .	None,	. . .	. . .	—
H. O. Russell,	Boots and shoes, .	22	8	—	—	Good, .	None,	. . .	. . .	—
Chase, Merritt & Co.,	Shoes, . . .	150	75	—	2	Good, .	None,	. . .	. . .	—
J. F. Desmond,	Shoes, . . .	40	20	—	1	Good, .	None,	. . .	. . .	—
E. C. Lincoln,	Shirts, . . .	2	28	—	—	Good, .	Guard shafting and belting,	. . .	. . .	Complied.
MILFORD.										
Lilley & Co.,	Machine needles, .	3	5	—	1	Good, .	None,	. . .	. . .	—
Milford Elec. Light and Power Co.,	Electric light, .	3	—	—	—	Good, .	Guard belting and driving wheels,	. . .	. . .	Complied.
Milford Shoe Co., No. 1,	Boots and shoes, .	150	81	—	15	Good, .	None,	. . .	. . .	—
Milford Shoe Co., No. 2,	Boots and shoes, .	153	69	—	17	Good, .	None,	. . .	. . .	—
Clapp, Huckins & Temple,	Boots and shoes, .	175	75	—	10	Good, .	None,	. . .	. . .	—
Colburn, Fuller & Co.,	Boots and shoes, .	300	150	—	10	Good, .	Provide new hoisting rope to elevator,	. . .	. . .	Complied.
Greene Bros.,	Shoes, . . .	80	45	—	1	Good, .	None,	. . .	. . .	—
James S. Kelly,	Heels, . . .	10	2	—	—	Good, .	None,	. . .	. . .	—
Eastman & Hobart,	Shoes, . . .	5	25	—	—	Good, .	None,	. . .	. . .	—
MEDWAY.										
Medway Woollen Co.,	Woollen goods, .	25	25	—	2	Good, .	Guard opening to elevator shaft,	. . .	. . .	Complied.
Medway Boot & Shoe Co.,	Boots and shoes, .	135	65	—	4	Good, .	None,	. . .	. . .	—
Hirsh & Park,	Straw hats, . .	60	115	—	—	Good, .	None,	. . .	. . .	—
A. M. Smith,	Shoes, . . .	215	10	—	1	Good, .	Guard shafting; post time notice,	. . .	. . .	Complied.
Sanford Woollen Mill,	Satinets, . . .	40	20	—	—	Good, .	None,	. . .	. . .	—
Spencer & Co.,	Paper boxes, . .	5	20	—	3	Good, .	None,	. . .	. . .	—
N. E. Awl and Needle Co.,	Awls and needles, .	15	10	—	—	Good, .	None,	. . .	. . .	—
A. M. Smith,	Boots and shoes, .	175	5	—	1	Good, .	Post time notice,	. . .	. . .	Complied.
Medway Boot and Shoe Co.,	Boots and shoes, .	215	45	—	5	Good, .	None,	. . .	. . .	—

DISTRICT NO. 2 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.		Females.	Under 14.				14 to 16.
MILLS.									
Steel Edge Stamping Co., . . .	Tinware, . . .	175	75	—	3	Good,	—	
Millis & Co., Bottling Department, . . .	Bottlers, . . .	13	2	—	—	Good,	—	
J. W. Thompson, . . .	Boots and shoes, . . .	125	30	—	3	Good,	—	
Waite's Felting Mill, . . .	Felting, . . .	20	—	—	—	Good,	—	
MENDON.									
George R. Whiting, . . .	Shoddy, . . .	5	—	—	—	Good,	—	
NEEDHAM.									
Wm. Carter & Co., . . .	Knit goods, . . .	30	60	—	1	Good,	—	
Moseley & Co., . . .	Knit goods, . . .	10	35	—	2	Good, . .	Certificates for minors, . . .	Complied.	
Wm. Toone & Co., . . .	Knit goods, . . .	—	6	—	—	Good,	—	
Alex. Lyles, . . .	Knit goods, . . .	3	25	—	—	Good,	—	
Union Cycle Manufacturing Co., . . .	Bicycles, . . .	130	—	—	1	Good, . .	Certificates for minors, . . .	Complied.	
NATICK.									
Felch Bros., . . .	Brogans and plow shoes, . . .	108	17	—	—	Good,	—	
C. H. Felch, . . .	Shoes, . . .	7	—	—	—	Good,	—	
H. Harwood, . . .	Base ball, . . .	5	25	—	—	Good,	—	
H. G. Wood, . . .	Shoes, . . .	190	30	—	5	Good,	—	
J. W. Walcott, . . .	Boots and shoes, . . .	98	12	—	—	Good,	—	
Phoenix Rattan, . . .	Rattan chairs, . . .	31	4	—	—	Good,	—	

R. Best & Son,	Shoes,	23	4	—	—	Good,	None,	—	—
J. W. Harriman,	Shirts,	—	14	—	—	Good,	None,	—	—
Newell Cooper,	Shirts,	—	30	—	—	Good,	Post time notice,	—	Complied.
People's Laundry,	Laundry,	1	9	—	—	Good,	None,	—	—
American Hand Laundry,	Laundry,	2	4	—	—	Good,	None,	—	—
N. Bartlett & Son,	Shoes,	38	2	—	—	Good,	None,	—	—
E. Edwards & Son,	Shirts,	5	60	—	—	Good,	None,	—	—
Littlefield & Robbins,	Shoes,	10	10	—	—	Good,	None,	—	—
Brennan, Nutt & Co.,	Shoes,	37	3	—	—	Good,	Post time notice,	—	Complied.
Johnson, Doyle & Aldrich,	Shoes,	115	20	—	4	Good,	None,	—	—
Driscoll & Eaton Manuf'g Co.,	Boots and shoes,	78	12	—	—	Good,	Post time notice,	—	Complied.
J. A. D. Mills,	Shirts,	—	12	—	—	Good,	None,	—	—
Estate P. T. Doherty,	Heel stock,	5	20	—	—	Good,	None,	—	—
E. Dowd, Jr., & Co.,	Shoes,	18	—	—	—	Good,	None,	—	—
Wm. F. Pfeiffer & Co.,	Shoes,	60	5	—	—	Good,	None,	—	—
SOUTHBOROUGH.									
Cordaville Woollen Co,	Woollen blankets,	38	37	—	3	Good,	None,	—	—
WELLESLEY.									
Dudley Mills,	Hosiery,	41	75	—	5	Good,	None,	—	—
R. F. Sullivan,	Shoddy,	20	15	—	—	Good,	None,	—	—
Billings & Clapp,	Chemicals,	5	2	—	—	Good,	None,	—	—
Robert Bishop,	Paper,	12	—	—	—	Good,	Guard shafting, pulleys, elevator shaft.	—	Complied.
WEBSTER.									
K. N. Slater Mills,	Cotton goods,	63	62	1	13	Good,	None,	—	—
A. J. Bates,	Shoes,	180	70	—	25	Good,	None,	—	—
Stevens Linen Works,	Linen crash,	245	245	4	58	Good,	None,	—	—
WALPOLE.									
Union Mill,	Waste,	2	—	—	—	Good,	None,	—	—
Lewis Batting Mill,	Cotton batting,	23	3	—	—	Good,	None,	—	—

*Report of Elevators Inspected.*DISTRICT No. 2. JOSEPH HALSTRICK, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
Ashland.				
Warren Thread Co., . . .	1	Good,	None.	-
C. H. Tilton,	2	Good,	None.	-
Bellingham.				
Taft, McKean & Co., . . .	1	Good,	None.	-
Framingham.				
Wm. Gregory & Co., . . .	2	Good,	None.	-
T. L. Barber,	1	Good,	None.	-
Saxonville Mills,	2	Good,	None.	-
Staples & Smalley, . . .	1	Good,	None.	-
Franklin.				
E. P. Bassett & Co., . . .	1	Good,	None.	-
Trowbridge Piano Co., . . .	-	-	Safety device, . . .	Complied.
Hopkinton.				
Crooks, Root & Co., . . .	1	Good,	None.	-
A. Coburn,	1	Good,	None.	-
Holliston.				
D. C. Mowry,	2	Good,	None.	-
Holliston Shoe Co., . . .	1	Good,	None.	-
Hopedale.				
Hopedale Elastic Goods Co., .	1	Good,	None.	-
Hopedale Machine Screw Co., .	1	Good,	None.	-
Dutcher Temple Co., . . .	1	Good,	None.	-
G. Draper Sons, Machinery, .	2	Good,	None.	-
Marlborough.				
Henry Parsons,	1	Good,	None.	-
Wood & Willard,	1	Good,	None.	-
Boyd, Corey & Co.,	3	Good,	Provide new hoisting rope,	Complied.
J. B. Billings,	2	Good,	None.	-
John O'Connell & Sons, . . .	1	Good,	None.	-
Rice & Hutchins,	1	Good,	None.	-
Jamaica Electric Co., . . .	1	Good,	None.	-
Frank & Duston,	1	Good,	None.	-
Aaron F. Emery,	1	Good,	None.	-
Rice & Hutchins, 2d,	1	Good,	None.	-
E. F. Longley,	1	Good,	None.	-
Elmer Lorring,	1	Good,	Guard elevator well,	Complied.
T. A. Coolidge,	1	Good,	None.	-
S. H. Howe,	3	Good,	None.	-
J. A. Frye,	2	Good,	None.	-
S. H. Howe Shoe Co., . . .	1	Good,	None.	-
Chase, Merritt & Co., . . .	1	Good,	None.	-
Milford.				
Milford Shoe Co. (No. 1), . .	2	Good,	None.	-
Milford Shoe Co. (No. 2), . .	3	Good,	None.	-
Eastman & Hobart,	1	Good,	None.	-
Greene Bros.,	1	Good,	None.	-
Colburn, Fuller & Co., . . .	1	Good,	Provide new hoisting rope,	Complied.
Clapp, Huckins & Temple, . .	1	Good,	None.	-
Patrick Gillon,	1	Good,	None.	-
Medway.				
Medway Woollen Co., . . .	2	Good,	Guard elevator well,	Complied.
Medway Boot & Shoe Co., . .	1	Good,	None.	-
Millis.				
Steel Edge Stamping Co., . .	3	Good,	None.	-
Millis Bottling Co., . . .	1	Good,	None.	-

Report of Elevators Inspected — Concluded.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Needham.				
Union Cycle Manufacturing Co.,	1	Good,	None.	-
Natick.				
W. F. Pfeiffer,	1	Good,	None.	-
Driscoll & Eaton Manuf'g Co.,	1	Good,	None.	-
Johnson, Doyle & Aldrich,	1	Good,	None.	-
Brennan, Nutt & Co.,	1	Good,	None.	-
E. Edwards & Son,	1	Good,	None.	-
N. Bartlett Shoe Co.,	1	Good,	None.	-
R. Best,	1	Good,	None.	-
J. W. Walcott & Co.,	1	Good,	None.	-
H. G. Wood,	2	Good,	None.	-
Felch Bros.,	1	Good,	None.	-
Southborough.				
Cordaville Woollen Mill,	1	Good,	None.	-
Wellesley.				
Wellesley College,	2	Good,	None.	-
Dudley Mills,	1	Good,	Guard elevator well,	Complied.
Robert Bishop,	2	Good,	Guard elevator well,	Complied.

REPORT OF INSPECTOR MULLEN.

Adhering to the custom of previous years, I have the honor to submit the following report in regard to the laws regulating the employment of wage-earners in factories and other establishments located in the district under my supervision:—

In the matter of the employment of women and minors in the various establishments, there is no law, perhaps, upon the statutes that is better complied with. I have found no reason for complaint of any violation of the fifty-eight-hour law. The requirement of certificates for children has been promptly complied with, and in but very few instances have children been found without them. It is gratifying to say that there is a high standard of intelligence among the women and minors engaged in the various pursuits.

In a comparative degree good results have emanated from the law in force regarding the running of elevators. The number of fatal elevator accidents has been greatly reduced in my district since my last report. Those that have occurred, resulting fatally, were through carelessness on the part of those injured. When it is taken into consideration that there is a class of people whose lives and limbs must be to a great extent imperilled by insecure elevators, we come to realize the fact that the duties of an inspector are of an ordinary character.

The law relating to the guarding of belting, gearing, shafting, etc., is one that requires constant attention and vigilance on the

part of an inspector. Gears and set-screws that are exposed become extremely dangerous. There is now a tendency, to a great extent, to have as complete a protection as possible for the safety of employees.

The sanitary condition of the various factories and workshops is commendable. Factories recently built are so constructed that the provisions relating to sanitation are excellent.

The act providing for proper ventilation, wherein a sufficient supply of pure air may be properly conducted throughout buildings, is of great importance, and the greatest improvement is noted in this direction.

The locking of doors while the operatives are at work has not been carried on to any extent. This matter has been carefully noted, and no complaints have been necessary.

In the minor matter of inspection work, such as providing seats for females, I have had no trouble in enforcing the law in relation thereto, and employers, in every instance where it has been necessary, have complied with such orders as have been given.

It is without doubt a fact that the condition of the wage-earners needs to be improved. The bringing of workshops and factories to a condition of cleanliness and providing good air make the surroundings more pleasant to all concerned. The employee becomes more comfortable and capable of healthy improvement.

The same courtesy has been extended to me as heretofore by those whom it has been my duty to come in contact with.

DISTRICT No. 3, ISAAC S. MULLEN, Inspector.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.		Females.			
		Under 14.	14 to 16.				
BOSTON.							
H. & G. W. Lord,	Cordage,	20	180	—	3	Good,	None,
Murphy & Durgin,	Brushes,	20	25	—	—	Good,	None,
James McCann,	Corks,	3	7	—	—	Fair,	None,
Henry J. Levy,	Cigars,	3	7	—	—	Fair,	None,
McDonough & Co.,	Show cards,	4	—	—	—	Fair,	None,
T. W. Russell & Co.,	Furniture,	14	—	—	—	Fair,	None,
B. F. Brown,	Blacking,	5	30	—	—	Fair,	None,
Raymond Carriage Factory,	Carriages,	8	—	—	—	Fair,	None,
A. Leavett,	Woodwork,	4	—	—	—	Good,	None,
Tapely Machine Co.,	Shoe machinery,	18	—	—	—	Fair,	None,
National Electric Co.,	Electrical wire,	6	2	—	—	Fair,	None,
Boston Rubber Shoe Co.,	Rubber shoes,	20	—	—	—	Fair,	None,
O'Hern & Co.,	Drugs,	3	3	—	—	Fair,	None,
Bowdoin Square Printing Office,	Printing,	3	—	—	—	Good,	None,
J. A. Kitching,	Curled hair,	2	10	—	—	Fair,	None,
Merrimac Mattress Co.,	Mattresses,	2	7	—	—	Fair,	None,
W. E. Pratt,	Machinery,	4	—	—	—	Fair,	None,
J. E. Gill,	Harness,	9	—	—	—	Fair,	None,
J. S. Mason,	Iron plates,	4	—	—	—	Fair,	None,
E. B. Badger & Sons,	Copper,	100	1	—	—	Fair,	None,

DISTRICT NO. 3 — *Continued.*

NAME OF FACTORY OR WORK SHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
BOSTON — Continued.								
Lewis Basil,	Brass, . . .	6	—	—	—	Fair, .	None, .	—
Joseph Measures, .	Brass, . . .	6	—	—	—	Fair, .	None, .	—
M. Richmond,	Suspenders, .	4	—	—	—	Fair, .	None, .	—
N. B. Whitman,	Popcorn, . .	2	5	—	—	Fair, .	None, .	—
A. N. Stewart,	Leather, . . .	5	—	—	—	Fair, .	None, .	—
J. W. Savage,	Bed springs, .	4	—	—	—	Fair, .	None, .	—
H. L. Willard & Co.,	Harness ornaments,	13	—	—	—	Fair, .	None, .	—
S. W. McKee,	Preserves, . .	2	4	—	—	Fair, .	None, .	—
Jacobs Brothers,	Stencils, . . .	4	—	—	—	Fair, .	None, .	—
C. M. Barrows,	Printing, . . .	15	5	—	—	Fair, .	None, .	—
G. C. Aiken, . . .	Candy,	2	3	—	—	Fair, .	None, .	—
Gorman Brothers,	Files,	16	1	—	—	Fair, .	None, .	—
Eugene Lynch,	Sundries, . . .	8	—	—	—	Fair, .	None, .	—
Lombard & Co.,	Picture frames,	15	—	—	—	Fair, .	None, .	—
Kent & Gore,	Paper stock, .	4	8	—	—	Fair, .	None, .	—
H. M. Hilson,	Tin cans, . . .	27	1	—	—	Fair, .	None, .	—
Henry Earscy,	Brushes, . . .	3	—	—	—	Fair, .	Keep water-closet clean, .	Complied.
F. Abrahams,	Cigars,	9	4	—	—	Fair, .	Post time-table; provide water-closet.	Premises vacated.
Levin Cigar Association,	Cigars,	6	6	—	—	Fair, .	Provide water-closet, .	Complied.
John Keenan,	Bags,	4	—	—	—	Fair, .	Post time-table, . . .	Complied.

Climax Manufacturing Co.,	Sashes, .	3	—	—	—	Fair,	None,	.	.	—
Boston Refrigerator Co.,	Refrigerators,	12	—	—	—	Fair,	None,	.	.	—
J. M. Milk,	Tin cans,	3	—	—	—	Fair,	None,	.	.	—
C. A. Braun Preserving Co.,	Preserves,	5	—	—	—	Fair,	None,	.	.	—
Geo. N. Seaman,	Japanese,	3	4	—	—	Fair,	None,	.	.	—
American Steam Gauge Co.,	Steam gauges,	55	—	—	—	Fair,	None,	.	.	—
W. S. Manning,	Machinery,	6	—	—	—	Fair,	None,	.	.	—
Chas. H. Fogg,	Harness,	11	—	—	—	Fair,	None,	.	.	—
John P. Howard,	Brass,	4	—	—	—	Fair,	None,	.	.	—
Egyptian Chemical Co.,	Chemical,	5	4	—	—	Fair,	Post time-table,	.	.	Complied.
J. H. Optimus Cigar Co.,	Cigars,	2	3	—	—	Fair,	Post time-table,	.	.	Complied.
Mercer & Riley,	Cigars,	6	2	—	—	Fair,	Post time-table,	.	.	Complied.
Wessel & Clouten,	Cigars,	8	4	—	—	—	Post time-table,	.	.	Complied.
F. X. Oberle,	Cigars,	28	7	—	—	—	Post time-table,	.	.	—
S. Condit,	Hats,	5	3	—	—	—	None,	.	.	—
J. Grundy,	Brass,	11	1	—	—	—	None,	.	.	—
F. Hunt,	Paper boxes,	3	4	—	—	—	None,	.	.	—
G. L. Landers,	Leather,	3	—	—	—	—	None,	.	.	—
A. Whittemore,	Moulds and dies,	3	—	—	—	—	None,	.	.	—
R. C. Lothrop,	Machinery,	3	—	—	—	—	None,	.	.	—
Alex. Leubuhol,	Cigars,	7	2	—	—	—	None,	.	.	—
Goldsmith, Silver & Co.,	Cigars,	18	17	—	—	—	None,	.	.	—
Henry Traiser,	Cigars,	20	40	—	—	—	Post time-table,	.	.	Complied.
Elias Howe,	Musical,	8	—	—	—	—	None,	.	.	—
H. C. Barnes,	Musical,	7	1	—	—	—	None,	.	.	—
W. S. Phillips,	Brass,	6	—	—	—	—	None,	.	.	—
W. A. Snow,	Ornamental iron,	11	1	—	—	—	None,	.	.	—
Edwin H. Pearson,	Machinery,	7	—	—	—	—	None,	.	.	—
Mark W. Crosby,	Carriages,	53	3	—	—	—	None,	.	.	—
A. A. Bubier,	Iron,	3	1	—	—	—	None,	.	.	—
C. H. Robinson,	Furniture,	16	6	—	—	—	None,	.	.	—

DISTRICT NO. 3 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.			
BOSTON — <i>Concluded.</i>							
H. A. Hartley & Co., . . .	Furniture, . . .	34	16	—	—	None, . . .	—
H. D. Kingman, . . .	Cutlery, . . .	5	—	—	—	None, . . .	—
H. W. Bigelow, . . .	Bedsteads, . . .	4	—	—	—	None, . . .	—
W. D. Davis & Co., . . .	Paper boxes, . . .	3	4	—	—	None, . . .	—
Bragg, Conant & Co., . . .	Mirrors, . . .	7	1	—	—	None, . . .	—
G. F. Connor, . . .	Bed springs, . . .	16	—	—	—	None, . . .	—
Waite & Bond, . . .	Cigars, . . .	100	60	—	—	None, . . .	—
J. V. Waldron Bros., . . .	Carriage lamps, . . .	13	1	—	—	Fair, . . .	Post time-table; certificate for children, . . .
Thomas Todd, . . .	Printing, . . .	8	18	—	—	Fair, . . .	—
Park Manufacturing Co., . . .	Inspirators, . . .	9	—	—	—	Fair, . . .	—
Palmer, Parker & Co., . . .	Veneering, . . .	6	—	—	—	Fair, . . .	—
Peck Bros., . . .	Printing, . . .	3	6	—	—	Fair, . . .	—
Holloway Bros. & Washburn, . . .	Sails, . . .	7	—	—	—	Fair, . . .	—
Philip H. Butler, . . .	Marble, . . .	60	—	—	—	Fair, . . .	—
F. W. Weber, . . .	Rope, . . .	12	—	1	6	Fair, . . .	Post time-table; certificate for children, . . .
P. J. Keenan, . . .	Rags, . . .	2	6	—	—	Fair, . . .	Post time-table, . . .
W. H. Vialle, . . .	Rags, . . .	5	9	—	—	Fair, . . .	Post time-table, . . .
R. F. Fellows, . . .	Horse radish, . . .	1	3	—	—	Fair, . . .	—
Rust & Richardson, . . .	Drugs, . . .	15	3	—	—	Good, . . .	—
H. G. Moulton, . . .	Boots and shoes, . . .	11	3	—	—	Fair, . . .	—

John Cecconi,	.	.	Cigars,	.	3	4	—	—	Fair,	Post time-table,	.	.	Complied.
Chas. E. Hall & Co.,	.	.	Marble,	.	150	—	—	—	Good,	None,	.	.	—
John P. Howard & Co.,	.	.	Brass goods,	.	10	—	—	—	Fair,	None,	.	.	—
Thos. P. Dill,	.	.	Shoe machinery,	.	6	—	—	—	Fair,	None,	.	.	—
Chas. J. Freeman,	.	.	Woodwork,	.	8	—	—	—	Fair,	None,	.	.	—
George Toms,	.	.	Woodwork,	.	2	—	—	—	Fair,	None,	.	.	—
W. L. Weatherbee,	.	.	Show cases,	.	10	1	—	—	Fair,	None,	.	.	—
H. T. Rodgers,	.	.	Frames,	.	3	—	—	—	Fair,	Post time-table; certificate for children,	.	.	Complied.
Miller & Son,	.	.	Candy,	.	7	5	—	—	Fair,	Post time-table,	.	.	Complied.
A. C. Cushing,	.	.	Buckles,	.	2	—	—	—	Fair,	None,	.	.	—
Alles & Fisher,	.	.	Cigars,	.	200	60	—	—	—*	None,	.	.	—
Wheelock & Co.,	.	.	Paper boxes,	.	12	15	—	—	Fair,	None,	.	.	—
J. T. Rice,	.	.	Tin cans,	.	18	—	—	—	Fair,	None,	.	.	—

* Excellent.

REPORT OF INSPECTOR BARDWELL.

There have not been in my district as many changes in the line of enlargement of factories and providing increased facilities for production in the inspection year just closed as during the previous one, but there have been added to my list 63 establishments, of which 32 are new; and of the factories and workshops inspected last year, 12 have removed to other districts and 18 have gone out of business.

I have found but 4 children employed between the ages of thirteen and fourteen, and 195 between fourteen and sixteen, of which number 41 were in one factory; and in a new establishment I found 3 boys twelve years old, who were immediately sent out by the proprietor, whom I believe to have been ignorant of the law.

The few illiterate minors at work were required to attend evening schools.

A few complaints of the violation of the fifty-eight-hour law have been received and investigated, and found to be based upon slight grounds; nevertheless, in these and all other cases, strict attention has been given to the enforcement of the provisions of the statute, and I believe the law is being complied with.

Careful attention has been given to the inspection of machinery, and when found necessary, orders for guarding the same have been issued, and in most cases promptly complied with.

The elevators have been inspected and generally found to be in good order; two, however, were in such poor condition that the owners chose to discontinue their use rather than comply with the orders for their repair. There have been no elevator accidents in my district the past year, and but few accidents from any cause; one, however, was fatal, caused by the man slipping while passing from a platform to a temporary staging. He endeavored to save himself by throwing his arms over a shafting and his clothing was caught by a projecting set-screw.

The sanitary appliances of factories and workshops are often put into most excellent order with the expectation that they will remain so; but in their use I find that the employees too often fail to second the efforts of the employer, and this fact is used as an excuse for the condition in which they are subsequently found; but I think each year shows some improvement over the one last passed.

There have been two instances where outside doors of factories were locked during working hours in such a manner as to prevent free egress in case of fire. This was at once remedied.

The special duty of enforcing the statute relative to the employment of school children at theatres, to which you assigned me, together with Officers Halstrick and Mullen, has been attended to. There are many plays put upon the stage in which minor parts can be acceptably taken by children who have had no special training for the work, and they are selected from the large number of applicants that always present themselves at the stage entrance as soon as it is known that such material is wanted, and among them are likely to be school children, who usually conceal the fact in order to secure the employment; and our aim is to so assist the theatre managers that they will not violate the law. In a few instances school children have been found upon the stage, but excepting in one case, where it became necessary to make prosecution, which was carried to a successful issue, they were withdrawn.

HENRY J. BARDWELL, *Inspector.*

DISTRICT No. 4,

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
BOSTON.								
G. H. Lawrence,	Sample cards, . . .	1	7	—	1	Bad, .	Certificate for one child; provide water-closet for women.	Complied.
J. E. S. Adams,	Carriages,	12	—	—	—	Bad, .	Provide privy,	Complied.
L. J. Couch & Co., . . .	Theatre scenery, . .	12	—	—	—	Good, .	None,	—
Atlantic & Pacific Tea Co., .	Tea and coffee, . . .	2	—	—	—	Fair, .	Cover gears to coffee mill, . .	Complied.
S. H. L. Pierce,	Doors etc,	16	—	—	—	Fair, .	None,	—
A. E. Richmond,	Derricks,	4	—	—	—	Fair, .	None,	—
Farwell Brothers,	Bundle wood, . . .	50	—	—	—	Poor, .	Post time-tables; repair privy, .	Complied.
Bulletin Publishing Co., . .	Newspaper,	3	4	—	1	Good, .	Certificate for one child; post time-tables; designate water-closets.	Complied.
Massachusetts Chemical Co.,	Chemicals,	3	—	—	—	Fair, .	Guard engine belt and pulley, .	Complied.
George Miles,	Steam boilers, . . .	50	—	—	—	Fair, .	Post time-tables; guard gears of planer.	Complied.
Brooks & Co.,	Steel shanks, . . .	6	2	—	2	Fair, .	Certificate for one child; post time-tables; designate water-closets.	Complied.
Lincoln & Jewett,	Castings,	45	—	—	—	Fair, .	None,	—
J. C. Storey & Co., . . .	Tarred paper, . . .	8	—	—	—	Fair, .	None,	—
Wm. P. Stone & Co., . . .	Wagons,	24	—	—	—	Fair, .	None,	—
Robert Harrison,	Carriages,	22	—	—	—	Good, .	Guard engine belt and band-saw, .	Complied.
Johnson & Shaw,	Chemicals,	9	—	—	—	Fair, .	None,	—
N. E. Dredging Co.,	Dredging machines, .	10	—	—	—	Fair, .	Guard main belt,	Complied.
Wm. Shankland,	Dry goods,	1	3	—	—	Good, .	None,	—

Robertson & Anderson, . . .	Dry goods, . . .	1	6	—	1	Fair, .	Certificate for one child; post time-tables.	Complied.
O. T. Taylor & Co., . . .	Dry goods, . . .	1	4	—	—	Fair, .	Post time-tables; designate water-closets.	Complied.
Rachel Isaacs, . . .	Toys, . . .	1	9	—	1	Fair, .	Certificate for one child; post time-tables.	Complied.
J. F. & W. H. Falvey, . . .	Dry goods, . . .	12	18	—	2	Good, .	Post time-tables, . . .	Complied.
J. M. Sullivan, . . .	Dry goods, . . .	3	5	—	—	Good, .	Post time-tables, . . .	Complied.
L. Speidel & Co., . . .	Lager beer, . . .	7	—	—	—	Good, .	None, . . .	—
C. L. Hawthaway & Sons, . . .	Shoe dressing, . . .	5	4	—	—	Good, .	None, . . .	—
F. DeR. Pell & Co., . . .	Jute bags, . . .	8	11	—	1	Fair, .	Certificate for one child; post time-tables.	Complied.
Consolidated Electric Manufacturing Co.	Electrical supplies, . . .	48	2	—	—	Poor, .	Clean men's water-closets, . . .	Complied.
Andersen Brothers, . . .	Carriages, . . .	15	—	—	—	Fair, .	None, . . .	—
Smith-Carlton Iron Co, . . .	Ironwork, . . .	60	—	—	—	Fair, .	Post time-table, . . .	Complied.
O. M. Whitman & Co., . . .	Butter coolers, . . .	6	—	—	—	Fair, .	Post time-tables, . . .	Complied.
Wade & Coffee, . . .	Carriages, . . .	10	—	—	—	Good, .	None, . . .	—
Boston Shoe Tool Co., . . .	Shoe tools, . . .	17	—	—	—	Good, .	Guard circular and band saws, . . .	Complied.
City Iron Foundry, . . .	Machinery, . . .	20	—	—	—	Fair, .	None, . . .	—
Towne Manufacturing Co., . . .	Shoe counters, . . .	29	11	—	2	Good, .	Guard belts of three linkers and gears of one.	Complied.
Henry Hughes, . . .	Shoe counters, . . .	13	3	—	—	Good, .	Designate one water-closet, . . .	Complied.
Brooklyn Cooperage Co., . . .	Sugar barrels, . . .	100	—	—	—	Fair, .	Certificate for one child; one illiterate, evening school; post time-tables.	Complied.
Suffolk Brewing Co, . . .	Lager beer, . . .	30	—	—	—	Fair, .	Guard one belt and the elevator hoisting apparatus.	Complied.
Bay State Brewing Co., . . .	Lager beer, . . .	45	—	—	—	Fair, .	None, . . .	—
Bay State Iron Co., . . .	Ironwork, . . .	75	—	—	—	Fair, .	None, . . .	—
Frank L. Young & Co., . . .	Fish oils, . . .	11	—	—	—	Fair, .	None, . . .	—

DISTRICT No. 4 — *Continued.*

NAME OF FACTORY OF WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
BOSTON — <i>Continued.</i>							
John Elliott,	Cotton waste,	1	2	—	—	Fair,	Complied.
Hoyle & Crane,	Cotton waste,	1	2	—	—	Fair,	Complied.
Adams Brothers,	Cotton waste,	6	7	—	—	Fair,	—
John Souther & Co.,	Excavators,	14	—	—	—	Fair,	—
L. H. Daloz,	Dyeing, etc.,	4	11	—	—	Good,	—
H. A. Williams Manufacturing Co.,	Oilers and lamps,	36	11	—	—	Good,	Complied.
Standard Coal and Fuel Co.,	Fuel compound,	3	7	—	—	Good,	—
Old Colony R.R. Wood Repairing Shop,	Cars,	30	—	—	—	Good,	Complied.
Old Colony R.R. Iron Repairing Shop,	Locomotives,	140	—	—	—	Good,	—
J. Russell & Sons,	Steam boilers,	35	—	—	—	Fair,	—
Boston Beer Co.,	Lager beer,	48	—	—	—	Fair,	—
Standard Sugar Refinery,	Sugar,	600	—	—	—	Fair,	Complied.
First Street Sugar Refinery,	Sugar,	125	—	—	—	Fair,	Complied.
Walworth Manufacturing Co.,	Iron and brass fittings,	620	—	—	2	Fair,	Complied.
Becker's Troy Laundry,	Laundry,	2	8	—	—	Fair,	Complied.
Hersey Manufacturing Co.,	Metres, etc.,	80	—	—	—	Fair,	Complied.
Broadway Printing House,	Printing,	6	1	—	—	Fair,	—

National Plaster Co.,	Plasters,	3	—	—	Fair,	None,	—	Complied.
Charles L. Storrs,	Newspaper,	3	2	—	Good,	Post time-tables; designate water-closets,	—	
A. Hale Rubber Manuf'g Co.,	Rubber goods,	9	—	—	Fair,	None,	—	
A. K. Richmond & Son,	Derricks,	5	—	—	Fair,	None,	—	
J. O. Ilyman,	Cigars,	15	4	—	Poor,	Post time-tables; additional water-closet and designate.	Complied.	
P. Lally & Co.,	Wagons,	12	—	—	Fair,	None,	—	
Chas. Holmes Estate,	Machinery,	5	—	1	Good,	None,	—	
Boston Cordage Co.,	Cordage,	197	175	11	Fair,	Certificates for four children; guard elevator machinery; clean two water-closets and designate.	Complied.	
Henry R. Stevens,	W a s h i n g c o m - p o u n d	4	—	—	Good,	None,	—	
Findex Supply Co.,	Shoe nails,	10	—	—	Fair,	None,	—	
Chris. Wold & Co.,	Machinery,	6	—	—	Poor,	Clean the water-closet,	Complied.	
T. Hanson,	Machinery,	6	—	—	Poor,	Clean the water-closet,	Complied.	
Boston Metallic Spring Bed Co.,	Spring beds,	3	—	—	Poor,	None,	—	
Branley & McSherry,	Kindling wood,	5	—	—	Fair,	None,	—	
Kelly & Finnegan,	Kindling wood,	3	—	—	Fair,	None,	—	
Berlo Brothers,	Sausages,	3	—	—	Fair,	Clean the workroom,	Complied.	
Felton & Son,	N. E. rum,	7	—	—	Fair,	None,	—	
Bowker, Torrey & Co.,	Marble,	12	—	—	Fair,	None,	—	
Daniel Russell,	Steam boilers,	9	—	—	Fair,	None,	—	
O. Sheldon & Co.,	Boats,	16	—	—	Poor,	Guard band-saw; repair privy,	Complied.	
Jenney Manufacturing Co.,	Kerosene oil,	33	—	—	Fair,	None,	—	
Eugene Trafton,	House finish,	2	—	—	Fair,	None,	—	
Murray & Tregurtha,	Yacht engines,	7	—	—	Fair,	Cover set-screws,	Complied.	
N. E. Adamant Co.,	Adamant plaster,	10	—	—	Fair,	None,	—	
Antoine Vincent,	Carriages,	5	—	—	Fair,	None,	—	
Thomas Earl,	Soap,	3	—	—	Fair,	None,	—	

DISTRICT NO. 4—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
BOSTON — Continued.								
Bernstein Electrical Co., . . .	Electric supplies, .	42	62	—	3	Good, .	Cover set-screws on floor shafting, .	Complied.
Hollis Manufacturing Co., . . .	Suspenders, . . .	11	24	—	—	Fair, .	Post time-tables; cover set-screws; guard dynamo.	Complied.
Sunderland & Ogden, . . .	Files, . . .	7	—	—	—	Fair, .	None, . . .	—
Boston Glass Co., . . .	Antique glass, . .	8	—	—	—	Bad, .	Provide a privy, . . .	—*
Geo. Lawley & Son Corporation,	Yachts, . . .	130	—	—	1	Fair, .	Certificate for one child; post time-tables; guard fly-wheel of steam pump.	Complied.
Wrought Iron Casting Co., . .	Castings, . . .	80	—	—	—	Good, .	None, . . .	—
Henry R. Stevens, . . .	W a s h i n g c o m - pound.	—	12	—	—	Good, .	None, . . .	—
W. E. Elliott, . . .	Carpet beating, . .	3	—	—	—	Poor, .	Guard fly-wheel, . . .	Complied.
R. S. Hotchkiss, . . .	Wood, . . .	2	—	—	—	Fair, .	None, . . .	—
Oakman Manufacturing Co, . .	Carboys, . . .	3	—	—	—	Fair, .	None, . . .	—
Shales & May, . . .	Furniture, . . .	55	—	—	—	Good, .	Replace guard of fly-wheel, . .	Complied.
Boston Button Co., . . .	Cloth-covered but- tons.	60	335	—	5	Good, .	Certificates for two children, . .	Complied.
H. O. Lothrop & Co, . . .	Wire ferules, . .	15	—	—	2	Fair, .	None, . . .	—
R. F. Graves, . . .	Carriage painting,	8	—	—	1	Fair, .	Certificate for one child; post time-tables.	Complied.
P. F. Burke, . . .	Toe calks, . . .	14	—	—	—	Fair, .	None, . . .	—
Compressed Steel Shafting Works,	Steel shafting, . .	40	—	—	—	Good, .	None, . . .	—

Assignees of Harrison Loring, N. E. Folding Box Co.,	Steamships,	20	—	2	Fair, Good,	Guard fly-wheels of two engines, Certificates for two children; post time-tables; provide seats for women.	Complied. Complied
Paper boxes,		11	22	—	—	—	—
Jordan, Marsh & Co.,	Storehouse,	48	—	—	Good,	Guard elevator engines,	Complied.
Joseph S. Williams,	Storehouse,	6	—	—	Fair,	None,	—
Atlas Stores,	Storehouse,	14	—	—	Good,	None,	—
Gould & Kirwin,	Vinegar,	5	—	—	Bad,	Clean and repair water-closet,	Complied.
F. B. Foster & Co.,	Castings,	130	—	—	Fair,	Guard fly-wheel and crank, band- saw and one belt.	Complied.
Stiles & Winslow,	Morocco,	75	—	—	Fair,	Guard several belts and repair water-closet.	Complied.
M. H. Merriam,	Shoe linings,	4	19	—	Good,	One certificate; post time-tables; seats for women; cover gears; designate water-closets.	Complied.
Dodge Iron Foundry Co.,	Castings,	25	—	—	Fair,	Guard fly-wheel; box one belt,	Complied.
Pittman Manufacturing Co.,	Bedding,	35	15	—	Good,	None,	—
Iona Manufacturing Co.,	Electrical special- ties,	14	16	—	Good,	Certificates for four children; post time-tables.	Complied.
Herbert Bradley Co.,	Metallic bedsteads,	11	1	—	Good,	Post time-tables,	Complied.
Gorman File Co.,	Files,	15	—	—	Fair,	None,	—
South Boston Review,	Newspaper,	1	1	—	Poor,	Post time-tables,	Complied.
South Boston Gas Light Co.,	Gas,	15	—	—	Good,	None,	—
Robert Bishop,	Cotton waste,	34	70	—	Fair,	Seats for women; cover set-screws, repair and designate water-closet.	Complied.
Royal Compound Coffee Co.,	Coffee compound,	3	—	—	Fair,	Guard fly-wheel and main belt,	Complied.
Pierce & Son,	Ladies' shoes,	85	55	—	Good,	Certificates for five children; guard sewing-machine shafting	Complied.
N. E. Soap Co.,	Soap,	4	—	—	Poor,	Cover set-screws; clean water-closet,	Complied.

* Factory closed.

DISTRICT NO. 4 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
BOSTON — Continued.							
Hamberger Brothers, . . .	Rags, . . .	12	18	—	Poor, .	Cover set-screws; clean and designate water-closets.	Complied.
Glaister Manufacturing Co., .	Petroleum products.	3	—	—	Fair, .	None,	—
Fiske, Holmes & Co., . . .	Tiles, etc., . . .	86	—	—	Fair, .	Cover set-screws,	Complied.
Atwood & Grueby, . . .	Glazed tiles, . . .	17	3	—	Good, .	None,	—
Chase & Co. Corporation, . .	Candy, . . .	50	100	—	Good, .	Certificates for two children, . .	Complied.
Cunningham Iron Works Co., .	Steam boilers, . . .	40	—	—	Fair, .	None,	—
Eagle Extract Co., . . .	Extracts, . . .	9	5	—	Fair, .	Rail opening in floor,	Complied.
N. E. Telephone Co., . . .	Telephones, . . .	20	—	—	Good, .	None,	—
American Bell Telephone Co., .	Telephones, . . .	37	—	—	Good, .	Post time-tables; guard fly-wheel, .	Complied.
Rochester Brewing Co., . . .	Lager beer, . . .	16	4	—	Good, .	None,	—
H. Gore & Co., . . .	Asphalt paving, . . .	12	—	—	Fair, .	Guard fly-wheel,	Complied.
Boston Plate and Window Glass Co.	Glass, . . .	100	—	1	Good, .	Certificates for four children; post time-tables; guard two fly-wheels; cover set-screws.	Complied.
Lally Brothers, . . .	Wagons, . . .	10	—	—	Fair, .	None,	—
Bay State Belting Co., . . .	Leather belting, . . .	11	—	—	Bad, .	Cover set-screws; guard belt; repair water-closets.	Complied.
S. A. Woods Machine Co., . . .	Machinery, . . .	200	—	—	Fair, .	None,	—
Hunt-Spiller Manufacturing Co., .	Cannon, . . .	40	—	—	Fair, .	None,	—
Whittier Machine Co., . . .	Elevators, . . .	200	—	—	Fair, .	None,	—

Moore & Wyman,	•	Elevators,	•	45	—	—	—	Good,	•	None,	•	•	—	Complied.
Sweatt & Chase,	•	Metals,	•	25	—	—	—	Good,	•	Guard electric motor,	•	•	—	—
Barrett & Osborn,	•	Metals,	•	4	—	—	—	Fair,	•	None,	•	•	—	—
A. J. Gustin,	•	Iron columns,	•	2	—	—	—	Poor,	•	Cover gears of pipe cutter,	•	•	—	Complied.
Chaplin, Jordan & Co.,	•	Fire-escapes,	•	18	—	—	—	Fair,	•	Guard fly-wheel; cover set-screws; box one belt.	•	•	—	Complied.
Beacon Lithograph Co.,	•	Lithographs,	•	74	10	—	—	Fair,	•	None,	•	•	—	—
Coffin Valve Co.,	•	Valves,	•	75	—	—	—	Fair,	•	Guard fly-wheel and crank and band- saw.	•	•	—	Complied.
W. B. Clement,	•	Candy,	•	1	2	—	—	Good,	•	Post time-tables,	•	•	—	Complied.
D. Eddy & Son,	•	Refrigerators,	•	40	—	—	—	Poor,	•	Empty privy,	•	•	—	Complied.
Boston Gas Light Co.,	•	Gas,	•	75	—	—	—	Fair,	•	None,	•	•	—	—
C. E. Cummings & Co.,	•	Desks, etc.,	•	40	—	—	—	Bad,	•	Provide water-closet,	•	•	—	Complied.
R. Hutchinson,	•	Library steps,	•	2	—	—	—	Fair,	•	None,	•	•	—	—
Walter Baker & Co.,	•	Chocolate,	•	270	380	—	—	Good,	•	Guard one belt,	•	•	—	Complied.
Mason Regulator Co.,	•	Brass work,	•	30	—	—	—	Good,	•	None,	•	•	—	—
Henry B. Simpson & Co.,	•	Refrigerators,	•	15	—	—	—	Fair,	•	Guard fly-wheel,	•	•	—	Complied.
Jacob Ripley & Son,	•	Furniture,	•	9	—	—	—	Fair,	•	None,	•	•	—	—
M. W. Cain & Son,	•	Furniture,	•	30	—	—	—	Fair,	•	Cover set-screws,	•	•	—	Complied.
Eagle Paper Mill,	•	White paper,	•	42	16	—	—	Poor,	•	Provide new water-closet for men,	•	•	—	Complied.
A. T. Stearns Lumber Co.,	•	Doors, etc.,	•	145	—	1	—	Fair,	•	Certificates for two children; guard two large belts.	•	•	—	Complied.
James J. Breach,	•	Machinery,	•	7	—	—	—	Good,	•	None,	•	•	—	—
The Dorchester Beacon,	•	Newspaper,	•	12	8	—	—	Fair,	•	Certificate for one child; cover set- screws; guard fly-wheel,	•	•	—	Complied.
Bird, Greene & Co.,	•	Leather,	•	5	—	—	—	Fair,	•	None,	•	•	—	—
Dorchester Manufacturing Co.,	•	Furniture,	•	25	—	—	—	Fair,	•	Guard fly-wheel,	•	•	—	Complied.
C. W. Robbins,	•	Spring beds,	•	4	—	—	—	Fair,	•	None,	•	•	—	—
Edward Lynch,	•	Stairs,	•	28	—	—	—	Fair,	•	None,	•	•	—	—
McNeil Bros.,	•	House finish,	•	45	—	—	—	Fair,	•	None,	•	•	—	—
C. M. Bugbee & Co.,	•	Doors, sash,	•	25	—	—	—	Fair,	•	None,	•	•	—	—

DISTRICT NO. 4 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
BOSTON — Continued.							
Putnam Nail Co., . . .	Horseshoe nails, .	163	126	—	Good, .	Guard two driving-pulleys and elevator apparatus and belt,	Complied.
Revere Brewery, . . .	Lager beer, .	35	—	—	Good, .	None, . . .	—
L. T. Pratt & Co., . . .	Metals, .	4	—	—	Poor, .	None, . . .	—
Boston & Lockport Block Co., . . .	Ships' blocks, .	55	—	—	Fair, .	Post time-tables, . . .	Complied.
Boston Electric Light Co., . . .	Electric light, .	7	—	—	Good, .	None, . . .	—
N. E. Pottery Co., . . .	Crockery, .	59	11	—	Poor, .	Post time-tables; clean privy, .	Complied.
C. A. Wooley & Co., . . .	Laundry, .	3	8	—	Fair, .	None, . . .	—
Lockwood Manufacturing Co., . . .	Ships, .	30	—	—	Fair, .	None, . . .	—
Emery & Preble, . . .	Machinery, .	5	—	—	Fair, .	None, . . .	—
E. P. Lewis, . . .	Confectionery, .	25	55	—	Fair, .	Clean one privy, . . .	Complied.
F. J. Wehrle, . . .	Machinery, .	3	—	—	Fair, .	None, . . .	—
Luigi Laurie, . . .	Macaroni, .	7	1	—	Fair, .	Post time-tables, . . .	Complied.
M. Killilea, . . .	Steam-boilers, .	20	—	—	Fair, .	None, . . .	—
National Tube Works Co., . . .	Iron tubing, .	70	—	—	Good, .	Certificate for one child; post time-tables.	Complied.
J. W. Hunnewell & Co., . . .	Kerosene oil, .	4	—	—	Fair, .	None, . . .	—
P. L. Boudreau, . . .	Bicycles, .	3	—	—	Fair, .	None, . . .	—
Standard Stave and Cooperage Co., . . .	Casks, . .	100	—	—	Poor, .	Repair and clean one water-closet, .	Complied.
Thomas Hoey, . . .	Iron nippers, .	40	—	—	Fair, .	None, . . .	—
Bardwell, Anderson & Co., . . .	Tables, .	125	—	—	Fair, .	None, . . .	—
C. H. Thompson, . . .	House finish, .	6	—	—	Fair, .	Guard fly-wheel, . . .	Complied.

Ambrose Martin,	Boats,	4	—	—	Fair,	None,	—	—
Wood Bros.,	Boats,	4	—	—	Fair,	None,	—	—
C. R. Durbeck,	Stairs,	4	—	—	Fair,	Post time-tables,	Complied.	—
Eastern Box and Lumber Co.,	Packing boxes,	11	—	—	Fair,	None,	—	—
Aluminum Metal Manuf'g Co.,	Aluminum flux,	2	—	—	Fair,	None,	—	—
C. W. York & Co.,	Wood,	9	—	—	Fair,	Post time-tables,	Complied.	—
Maverick Oil Works,	Tin cans,	8	—	—	Fair,	None,	—	—
Stinson Varnish Co.,	Varnish,	3	—	—	Fair,	None,	—	—
Randall's Fertilizer Works,	Fertilizers,	13	—	—	Fair,	None,	—	—
M. Carbee & Co.,	Machinery,	10	—	—	Fair,	Box one belt,	Complied	—
J. H. Cunningham,	Iron pipes,	4	—	—	Fair,	None,	—	—
Geo. E. Whitney,	Yacht engines,	7	—	—	Fair,	None,	—	—
Webb & Watson,	Engines,	22	—	—	Fair,	None,	—	—
N. E. Drug and Spice Mills,	Spices, etc.,	3	—	—	Fair,	Certificate for one child; post time-tables,	Complied.	—
B. H. Murray,	Lumber,	15	—	—	Fair,	None,	—	—
Mellugo & Snow,	Packing cases,	15	—	—	Fair,	None,	—	—
Hermion Drake,	House finish,	35	—	—	Fair,	Certificate for one child; post time-tables,	Complied.	—
N. Y. & Boston Dyewood Co.,	Dyewoods,	75	—	—	Fair,	None,	—	—
Wm. Gilchrist,	Carriages,	11	—	—	Fair,	None,	—	—
J. Bertelsen,	Machinery,	10	—	—	Fair,	Guard fly-wheel,	Complied.	—
Graham & Cameron,	Stairs,	22	—	—	Fair,	None,	—	—
G. M. McQuesten,	Lumber,	120	—	—	Fair,	Guard band-saw and one large belt,	Complied.	—
John A. McKie,	Shipwright,	90	—	—	Fair,	None,	—	—
H. W. Felton,	Laundry,	1	3	—	Fair,	None,	—	—
Sidney Peterson & Co.,	House finish,	30	—	—	Fair,	Post time-tables,	Complied.	—
Phono Harp Co.,	Harps,	5	—	—	Fair,	Post time-tables,	Complied.	—
W. H. Swift & Co.,	Chemicals,	22	—	—	Fair,	None,	—	—
Jewett Lumber Co.,	House finish,	250	—	—	Fair,	None,	—	—
S. T. Manson & Co.,	Mill work,	30	—	—	Fair,	None,	—	—

DISTRICT NO. 4 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Under 14.		14 to 16.				
		Males.	Females.					
BOSTON — Continued.								
Peerless Manufacturing Co.,	Bicycle handles, .	3	2	—	—	Bad, .	Post time-tables; guard one belt; provide water-closet for women.	Complied.
Davis & White,	Mouldings, . .	6	—	—	—	Fair, .	Guard countershafting of planer and circular saw.	Complied.
L. C. Swett & Co., . . .	Carpet beating, .	3	1	—	—	Fair, .	Post time-tables,	Complied.
Geo. A. Minott & Co., . .	Wrought-iron work.	7	—	—	—	Fair, .	None,	—
Frame & McPherson, . . .	House finish, .	8	—	—	—	Fair, .	Guard elevator opening, . .	Complied.
Wm O. Farmer,	Cameras, . . .	2	—	—	—	Fair, .	None,	—
Lydiard, Fitzner & Bradford,	Wood mantles, .	6	—	—	—	Fair, .	None,	—
The Atlantic Works, . . .	Machinery, . .	250	—	—	—	Good, .	Guard one set of gears, . .	Complied.
Oriental Brass Foundry,	Brass,	9	—	—	—	Fair, .	None,	—
Geo. Lounsbro,	Carriages, . . .	9	—	—	—	Fair, .	Post time-tables,	Complied.
Benj. W. Clisby,	Carriage painting,	7	—	—	—	Fair, .	None,	—
James Gurney & Co., . . .	Heaters,	150	—	—	—	Fair, .	None,	—
American Arms Co., . . .	Fire-arms, . . .	70	—	—	—	Fair, .	None,	—
Potter & Wrightington,	Canned goods, .	27	26	—	—	Fair, .	None,	—
Chas. B. Holway,	Zithers,	3	—	1	—	Fair, .	Certificate for one child, . .	Complied.
C. P. Whittle,	Wood mantles, .	5	—	—	—	Fair, .	None,	—
Dee Folding Bed Co., . . .	Store fixtures, .	14	—	—	—	Fair, .	None,	—
E. Hodge & Co.,	Folding beds, .	13	—	—	—	Fair, .	None,	—
	Steam boilers, .	75	—	—	—	Fair, .	None,	—

Fred. O. Vegellian,	Furniture,	8	—	—	Fair,	None,	•	•	•	—
Alex. McLaren,	House finish,	15	—	—	Fair,	None,	•	•	•	—
Fred. L. Smith,	Bottling,	6	—	—	Good,	None,	•	•	•	—
Wm. S. Pratt,	Whiting,	9	—	—	Fair,	Guard fly-wheel,	•	•	•	Complied.
J. B. Hauck & Co.,	Bottling,	12	—	—	Good,	None,	•	•	•	—
Boston Forge Co.,	Car axles,	77	—	—	Fair,	None,	•	•	•	—
J. T. Reed & Co.,	Glove cleaning,	4	26	—	Good,	None,	•	•	•	—
Joseph Palmer,	Carriage springs,	12	—	—	Fair,	Guard blower belt,	•	•	•	Complied.
G. F. Callier,	Leather,	16	—	—	Fair,	None,	•	•	•	—
H. Burridge & Co.,	Sash and doors,	2	—	—	Fair,	None,	•	•	•	—
Page & Son,	House finish,	20	—	—	Fair,	Guard fly-wheel and main belt,	•	•	•	Complied.
Edmunds & Hooper,	Stoneware,	22	—	—	Fair,	None,	•	•	•	—
J. A. Cilley & Co.,	Furniture,	7	—	—	Good,	None,	•	•	•	—
H. H. Morse & Co.,	Iron bedsteads,	21	—	—	Fair,	None,	•	•	•	—
Philadelphia and Boston Brick Co.	Face brick,	50	—	—	Poor,	Repair privy,	•	•	•	Complied.
Boston Excelsior Co.,	Excelsior,	6	—	—	Fair,	None,	•	•	•	—
H. D. Gloyd,	Preserves,	7	—	1	Good,	Post time-tables,	•	•	•	Complied.
Blazer Manufacturing Co.,	Stove blackings,	5	1	—	Fair,	None,	•	•	•	—
D'Este & Seeley Co.,	Brass fittings,	50	—	2	Poor,	Certificates for two children; post time-tables; guard fly-wheel, dynamo, etc.	•	•	•	Complied.
U. S. Lyons,	Carpet beating,	6	—	—	Fair,	None,	•	•	•	—
Owen Brock & Co.,	Steam boilers,	5	—	—	Fair,	None,	•	•	•	—
Charlestown Gas and Electric Light Co.	Electric light,	6	—	—	Good,	Guard belts of twelve dynamos,	•	•	•	Complied.
Clark & Smith,	Lumber,	8	—	—	Good,	None,	•	•	•	—
J. D. Robertson,	Stairs,	6	—	—	Fair,	None,	•	•	•	—
Alden Batchelder,	Furniture,	40	—	—	Fair,	Box gears of sandpaper,	•	•	•	Complied.
Howard Manufacturing Co.,	Elastic webbing,	36	181	—	Good,	None,	•	•	•	—

DISTRICT NO. 4—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
BOSTON — Continued.									
E. A. Gillett & Sons, . . .	Bent felloes, .	19	—	—	—	Fair, .	Guard elevator machinery and several belts.	Complied.	
Burbank & Ryder, . . .	Varnishes, .	8	—	—	—	Fair, .	None, .	—	
Furbush & Co., . . .	Sausages, .	32	—	—	1	Bad, .	Certificate for one child; post time-tables; provide water-closet.	Complied.	
Burbank & Gannett, . . .	Shoe blacking, .	2	3	—	—	Good, .	None, .	—	
Munroe & Conley, . . .	Laundry, .	6	7	—	—	Good, .	Designate water-closet, .	Complied.	
Wm. Litchfield, . . .	Brass, .	6	—	—	—	Fair, .	None, .	—	
Eastman Freight Car Heater Co., .	Freight-car heaters, .	16	—	—	—	Good, .	Cover gears of planer, .	Complied.	
Whittemore, Woodbury & Co., .	Wax and blacking, .	3	2	—	—	Good, .	None, .	—	
Orpin Brothers, . . .	Desks, .	70	—	—	—	Fair, .	Guard engine crank and band-saw, .	Complied.	
Edwin Porter, . . .	Furniture, .	12	—	—	—	Fair, .	None, .	—	
H. H. Osgood & Co, . . .	Wire screens, .	6	—	—	—	Fair, .	None, .	—	
Bunker Hill Iron Foundry Co., .	Castings, .	60	—	—	—	Bad, .	Clean water-closet, .	Complied.	
Artistic Carving Co., . . .	Mantels, etc., .	30	—	—	1	Fair, .	Post time-tables; guard fly-wheel, .	Complied.	
American Preservers Co., . . .	Preserves, .	7	4	—	—	Fair, .	None, .	—	
Nash Manufacturing Co, . . .	Toys, .	4	11	—	—	Fair, .	None, .	—	
Kimball Manufacturing Co., . .	Toys, .	9	—	—	—	Fair, .	Post time-tables, .	Complied.	
J. T. Southwick, . . .	Furniture, .	7	—	—	—	Fair, .	None, .	—	
Carson French Machine Co., .	French machines, .	8	—	—	—	Fair, .	None, .	—	
Geo. H. Wood & Co., . . .	Liquid cement, .	4	4	—	—	Fair, .	Repair one privy, .	Complied.	
Waverly Magazine, . . .	Newspaper, .	5	15	—	—	Good, .	None, .	—	

DISTRICT NO. 4 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
BOSTON — <i>Concluded.</i>									
W. W. Rich,	Printing,	5	—	—	2	Fair,	Certificates for two children ; post-time tables,	Complied.	
A. G. Van Nostrand,	Ale and lager,	100	—	—	—	Fair,	Post time-tables,	Complied.	
Wemyss Brothers,	Furniture,	60	—	—	—	Good,	None,	—	
R. W. Pratt,	Engines,	10	—	—	—	Fair,	Post time-tables,	Complied.	
O. P. Brown,	Trunks,	4	—	—	—	Fair,	None,	—	
Barrett & Brother,	Dyeing,	25	40	—	—	Fair,	None,	—	
Crosby Steam Gauge and Valve Co.,	Gauges and valves,	143	7	—	2	Good,	Certificate for one child ; outside door to be unlocked.	Complied.	
U. S. Baking Co.,	Crackers, etc.,	44	52	—	—	Good,	Cover set-screws,	Complied.	
Geo. G. Fox,	Pies,	55	5	—	—	Fair,	Cover set-screws,	Complied.	
Palmer, Parker & Co.,	Lumber,	42	—	—	—	Fair,	Cover set-screws ; guard one belt,	Complied.	
Estes & Greenough,	Furniture,	12	—	—	—	Good,	None,	—	
Raymond Bicycle Co.,	Bicycles,	53	2	—	1	Fair,	Certificate for one child ; post time-tables ; guard fly-wheel and other machinery.	— *	
C. F. Baker & Co.,	Shoe nails,	12	4	—	—	Good,	None,	—	
S. J. Sanger,	Leather,	28	—	—	—	Good,	None,	—	
Harrison, Beard & Co.,	Furniture,	20	—	—	—	Fair,	None,	—	
Robert Webb & Co.,	Black-lead,	2	—	—	—	Fair,	Guard fly-wheel and belts of one machine.	—	

DISTRICT NO. 4 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
CHELSEA — Continued.								
L. Richardson & Co., . . .	Curriers grease, . .	7	—	—	—	Fair, .	None, .	—
J. M. Mason, . . .	Machinery, . . .	10	—	—	—	Fair, .	None, .	—
Beddall Manufacturing Co., . .	Brass, . . .	4	—	—	—	Fair, .	None, .	—
A. E. Russell, . . .	Machinery, . . .	2	—	—	—	Fair, .	None, .	—
Magee Furnace Co., . . .	Stoves and furnaces.	275	—	—	—	Fair, .	Guard fly-wheel, .	Complied.
Compressed Fibre Co., . . .	Fibre goods, . . .	4	—	—	—	Good, .	None, .	—
Chelsea Suspender Co., . . .	Suspenders, . . .	2	13	—	—	Good, .	Post time-tables, .	Complied.
S. K. Lovewell & Co., . . .	Machinery, . . .	40	—	—	—	Bad, .	Clean water-closet, .	Complied.
Low Art Tile Co., . . .	Art tiles, . . .	45	3	—	—	Good, .	Designate water-closet, .	Complied.
Fred Theise, . . .	Willow ware, . . .	7	—	—	—	Fair, .	None, .	—
D. & L. Slade Co., . . .	Spices, . . .	6	6	—	—	Good, .	None, .	—
Estate L. S. Slade, . . .	Cigars, . . .	4	16	—	1	Fair, .	None, .	—
Chelsea Wire Fabric Rubber Co., .	Rubber hose, . . .	30	—	—	1	Fair, .	Certificate for one child; post time-tables; guard gears of four grinders.	Complied.
Chelsea Gas Light Co., . . .	Electric light, . . .	6	—	—	—	Fair, .	Guard engine and dynamo belts, .	Complied.
Geo A. Drysdale, . . .	Iron bedsteads, . .	4	7	—	2	Bad, .	Certificates for two children; provide seats for women; post time-tables; provide two water-closets; rail staircase.	Complied.
Peter Smith, . . .	Leather, . . .	3	—	—	—	Fair, .	None, .	—

J. D. Loftus & Co.,	Carrier's grease,	5	—	—	Fair,	None,	•	•	•	—
Chelsea Cordage Co.,	Cordage,	225	42	—	Good,	None,	•	•	•	—
Lynn & Boston R.R. Power Station.	Electric power,	11	—	—	Fair,	Guard one fly-wheel,	•	•	•	Complied.
John Drewson,	Dyeing,	8	13	—	Bad,	Post time-tables; provide two water-closets,	•	•	•	—*
C. H. Pike & Co.,	Printing,	4	2	—	Good,	None,	•	•	•	—
Henry Mason & Co.,	Printing,	3	3	—	Good,	None,	•	•	•	—
Dickinson Type Foundry,	Type,	57	43	—	Fair,	None,	•	•	•	—
Revere Rubber Co.,	Rubber goods,	604	21	—	Fair,	Certificate for one child,	•	•	•	Complied.
A. L. Haskell & Son,	Bedding,	20	16	—	Good,	Certificate for one child; post time-tables; repair elevator; guard fly-wheel.	•	•	•	Complied.
L. K. Husted Laundry Co.,	Laundry,	3	17	—	Poor,	Post time-tables; repair one water-closet.	•	•	•	Complied.
A. D. Black,	Wire screens,	9	—	—	Fair,	None,	•	•	•	—
B. P. Nichols,	Printing,	5	3	—	Fair,	None,	•	•	•	—
Anderson Brothers,	Baskets,	8	1	—	Fair,	None,	•	•	•	—
Chelsea Fire Brick Works,	Fire brick,	12	—	—	Fair,	Guard belts of one machine,	•	•	•	Complied.
Thomas Strahan & Co.,	Wall paper,	39	—	—	Fair,	Post time-tables,	•	•	•	Complied.
H. C. Starkey & Sons,	Elastic webbing,	—	15	—	Good,	None,	•	•	•	—
T. Martin & Bro. Manufacturing Co., Department A	Suspender webbing,	20	155	—	Good,	Guard dynamo and fly-wheel; cover set-screws.	•	•	•	Complied.
T. Martin & Bro. Manufacturing Co., Department B.	Suspender webbing,	9	74	—	Good,	Certificate for one child; post time-tables	•	•	•	Complied.
Walker Bros.,	Dyeing,	10	—	—	Fair,	None,	•	•	•	—
Herbert & Rapp Co.,	Shoe gorings,	60	20	—	Fair,	Certificate for one child; post time-tables; cover set-screws; repair one water-closet.	•	•	•	Complied.
J. H. Folkins & Co.,	Extracts,	3	—	—	Good,	None,	•	•	•	—
Sawyer Crystal Blue Co.,	Bluing,	9	6	—	Fair,	None,	•	•	•	—

* Moved away.

DISTRICT NO. 4 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Under 14.		14 to 16.				
		Males.	Females.					
CHELSEA — Concluded.								
D. W. Bernard & Son, . . .	Laundry, . . .	4	6	—	—	Fair, . . .	Railing for one stairway, . . .	Complied.
Geo. F. Slade, . . .	Cigars, . . .	—	5	—	—	Good, . . .	None, . . .	—
Wm. T. Cardy & Son, . . .	Paper boxes, . . .	5	33	—	2	Fair, . . .	Certificates for two children, . . .	Complied.
C. H. Newell & Co., . . .	Mattresses, . . .	13	7	—	—	Fair, . . .	None, . . .	—
Atwood & McManus, . . .	Packing cases, . . .	20	—	—	—	Good, . . .	Guard fly-wheel; main belt; band-saw and other machines and cover set-screws.	Complied.
Standard Elastic Fabric Co., . . .	Shoe goring, . . .	5	1	—	—	Good, . . .	Post time-tables, . . .	Complied.
Boston Filter Co., . . .	Water filters, . . .	9	—	—	—	Fair, . . .	None, . . .	—
Austin & Graves, . . .	Crackers, . . .	10	—	—	—	Fair, . . .	Post time-tables; cover set-screws, . . .	Complied.
Geo. E. Downs, . . .	Salt, . . .	5	—	—	—	Good, . . .	None, . . .	—
Collins & Lee, . . .	Canned fish, . . .	8	2	1	1	Bad, . . .	Certificates for two children; post time-tables; provide water-closets and designate.	Complied.
Geo. D. Emery, . . .	Lumber, . . .	125	—	—	—	Fair, . . .	Post time-tables; guard cranks of two engines.	Complied.
Boston Rubber Co., . . .	Rubber clothing, etc., . . .	107	202	—	4	Good, . . .	Certificates for two children; additional seats for women; guard fly-wheel.	Complied.
A. A. White & Co., . . .	Varnishes, . . .	4	—	—	—	Fair, . . .	None, . . .	—
U. S. Foundry Co., . . .	Window weights, . . .	20	—	—	—	Bad, . . .	Empty privy vault, . . .	Complied.
F. B. Parks, . . .	Tin lunch boxes, . . .	3	—	—	1	Good, . . .	None, . . .	—

T. H. Buck & Co.,	House finish,	90	—	—	—	Fair,	None,	·	·	·	·	—
Arthur Magoun,	Morocco,	20	—	—	—	Fair,	Guard opening in floor,	·	·	·	·	Complied.
White, Holman & Co.,	Chairs,	30	—	—	—	Fair,	None,	·	·	·	·	—
Massachusetts Manufacturing & Electrical Supply Co.	Electrical goods,	30	—	—	—	Fair,	Guard one side of fly-wheel,	·	·	·	·	Complied.
Henrici Laundry Machinery Co.,	Laundry machinery.	4	—	—	—	Bad,	Repair water-closet,	·	·	·	·	Complied.
REVERE.												
D. & L. Slade Co.,	Spices,	6	—	—	—	Fair,	Cover set-screws,	·	·	·	·	Complied.
North Shore Electric Co.,	Electric light,	5	—	—	—	Fair,	None,	·	·	·	·	—
Boston Fire Proofing Co.,	Fire bricks,	30	—	—	—	Fair,	None,	·	·	·	·	—
Revere Drop Forge Co.,	Iron work,	8	—	—	—	Fair,	None,	·	·	·	·	—
WINTHROP.												
S. Paine & Co.,	Leather,	7	—	—	—	Poor,	Empty privy vault,	·	·	·	·	Complied.

*Report of Elevators Inspected.*DISTRICT No. 4. HENRY J. BARDWELL, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
Chelsea.				
Swett Car Wheel and Foundry Co.	1	Good,	None.	-
Chelsea Cordage Co., . . .	2	Good,	None.	-
A. S. Rogers Shoe Co., . . .	1	Poor,	Provide safety device,	Use discontinued.
Thomas Strachan & Co., . . .	1	Fair,	None.	-
Low Art Tile Co., . . .	1	Fair,	None.	-
American Fire Hose Manufacturing Co.	1	Poor,	Repair safety device,	Complied.
Atwood & McManus, . . .	1	Good,	None.	-
Austin & Graves, . . .	1	Good,	None.	-
Boston Rubber Co., . . .	1	Good,	None.	-
A. L. Haskell Son, . . .	1	Fair,	Repair hoisting apparatus,	Complied.
White, Holman & Co., . . .	1	Good,	None.	-
Magee Furnace Co., . . .	5	Good,	None.	-
J. W. Stickney & Co., . . .	1	Poor,	Repair safety device,	Complied.
Wm. L. Davis, Agent, . . .	1	Bad,	Rebuild elevator and provide safety device.	Use discontinued.
Revere Rubber Co., . . .	1	Good,	None.	-
Forbes Lithograph Co., . . .	1	Good,	None.	-
Revere.				
H. & L. Slade Co., . . .	1	Fair,	None.	-

REPORT OF INSPECTOR ABBOTT.

In accordance with your request, I submit this annual report with my tabulated statement for the current year.

The employment of children under fourteen years of age has been growing gradually less, very few being employed this year. The requirement of thirty weeks' schooling making the employment of such, in the opinion of manufacturers, unprofitable. There has been, so far as I have been able to ascertain, a good attendance at the evening schools, and many employers express the desire that those in their employ should attend the same, although able to read and write. School certificates have generally been placed on file, and where they have not been it appears to be by reason of misunderstanding of the statute, some employers thinking if the child has been at school the required time, till fifteen years of age, no certificate is needed; but on having it

explained, they see at once that the officer has no way of knowing such to be the fact except by seeing the certificate showing the same.

I have given particular attention to elevators and have found them generally in good condition, and where they have needed but little work to make them satisfactory I have assisted to make them so before leaving the factory. Often cleaning out the slot in the beam or setting up nuts on bolts was all that was required. The few accidents that have occurred appear to have been caused by the carelessness of the persons injured.

The running time in factories since July 1 has been generally much less than that required by law. A majority of them have been on short time, from thirty to fifty hours per week, and most of them shut down from two weeks to two months during the summer.

Hotels are as a general thing equipped as required by chapter 307 of the Acts of 1890. Those that I have visited that were not have complied with orders issued as soon as possible.

Sanitary conditions are for the majority of places good. Some orders have been issued for additional accommodations, and have been promptly complied with. Where it has been necessary to issue orders I have seen the parties interested and talked the matter over fully with them, if possible, before issuing them, thereby avoiding any misunderstanding of what was required and the time within which it should be done.

DISTRICT No. 5, LEWIS F. F. ABBOTT, Inspector.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
AUBURN.									
Stoneville Worsted Co.,	Woollen yarn,	60	70	—	21	Good.	None,	—	
Auburn Worsted Co.,	Worsted suitings,	69	28	—	4	Good.	None,	—	
BROOKFIELD.									
George H. Burt & Co.,	Boots and shoes,	145	80	—	—	Good.	None,	—	
CLINTON.									
Bigelow Carpet Co.,	Carpets,	269	566	—	56	Good.	None,	—	
Bigelow Carpet Co.,	Carpets,	190	221	—	24	Good.	None,	—	
Lancaster Manufacturing Co.,	Ginghams,	1,115	935	2	96	Good.	Guard belts in weave-room; repair elevator, winding-room.	Complied.	
Gibb's Loom Harness,	Loom harnesses,	23	12	—	—	Good.	None,	—	
Eureka Steam Laundry,	Laundry work,	3	6	—	1	Poor.	Additional water-closet and designate the same.	Complied.	
Clinton Wall Trunk Manuf'g Co.,	Trunks,	32	3	—	—	Good.	None,	—	
Clinton Worsted Co.,	Worsted suitings,	66	34	—	—	Good.	None,	—	
Wekepeke Woollen Co.,	Woollen yarn,	14	—	—	3	Fair.	School certificates,	Complied.	
Worcester Thread Co.,	Shoe thread,	12	25	—	1	Fair.	School certificate,	—	
Clinton Wire Cloth Co.,	Wire goods,	208	132	—	17	Good.	None,	—	

EAST BROOKFIELD.										
Sagendorph Woollen Mill, .	Cassimeres, .	40	20	—	1	Good, .	None, .	Post time-table and designate water-closet.	Complied.	
East Brookfield Woollen Co.,	Shoddy, .	53	7	—	1	Fair, .	Post time-table and designate water-closet.	Complied.		
George Mann & Brother, .	Satinets, .	11	18	—	1	Good, .	Designate water-closet, .	Complied.		
FITCHBURG.										
Parkhill Manuf'g Co., Mill A,	Ginghams, .	282	220	—	47	Good, .	None, .	Complied.		
Parkhill Manuf'g Co., Mill B,	Ginghams, .	63	40	—	—	Good, .	None, .	Complied.		
Parkhill Manuf'g Co., Mill C,	Ginghams, .	288	150	—	17	Good, .	None, .	Complied.		
Fitchburg Cotton Co., .	Cotton yarn, .	13	25	—	—	Fair, .	None, .	Complied.		
Boston Screw Co., .	Screws, .	21	4	—	—	Good, .	None, .	Complied.		
Crocker & Burbank, Mill 3,	Paper, .	20	13	—	—	Good, .	None, .	Complied.		
Crocker & Burbank, Mill 2,	Paper, .	15	8	—	—	Good, .	None, .	Complied.		
Crocker & Burbank, Mill 1,	Paper, .	17	13	—	2	Good, .	None, .	Complied.		
Crocker & Burbank, Mill 7,	Paper, .	75	40	—	3	Good, .	None, .	Complied.		
Crocker & Burbank, Mill 6,	Paper, .	11	2	—	—	Good, .	None, .	Complied.		
Crocker & Burbank, Mills 4 and 5,	Paper, .	37	7	—	1	Good, .	None, .	Complied.		
Iver Johnson & Co., .	Bicycles and arms, .	400	—	—	12	Good, .	None, .	Complied.		
Baltic Mill, .	Cassimeres, .	60	30	—	1	Fair, .	None, .	Complied.		
Fitchburg Paper Co., Mills 3 and 4,	Paper, .	38	18	—	—	Good, .	None, .	Complied.		
Fitchburg Paper Co., Mills 1 and 2,	Paper, .	30	10	—	—	Good, .	None, .	Complied.		
Mitchell Manufacturing Co.,	Ginghams, .	107	93	—	13	Good, .	None, .	Complied.		
Grant Yarn Co., .	Cotton yarn, .	30	55	—	6	Good, .	None, .	Complied.		
Orswell Mill, .	Cotton yarn, .	85	190	—	41	Good, .	None, .	Complied.		
Star Worsted Co., .	Worsted yarn, .	25	80	—	11	Fair, .	None, .	Complied.		
Putnam Machine Co., .	Machinery, .	296	—	—	2	Good, .	None, .	Complied.		
Putnam Tool Co., .	Machine tools, .	50	—	—	—	Good, .	None, .	Complied.		
Beoli Mill, .	Worsted suitings, .	304	266	—	15	Good, .	Guard machine in new weave-room,	Complied.		
E. M. Dickenson & Son, .	Shoes, .	105	45	—	9	Good, .	None, .	Complied.		
Sole Leather Tip Co., .	Leather tips, .	12	7	—	—	Good, .	None, .	Complied.		

DISTRICT No. 5 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
				Under 14.	14 to 16.				
		Males.	Females.						
FITCHBURG — Concluded.									
Simonds Manufacturing Co.,	Saws, . . .	190	—	—	—	Good, .	None, .	—	
C. H. Brown & Co., . . .	Engines, . . .	50	—	—	—	Good, .	None, .	—	
Fitchburg Paper Box Co.,	Paper boxes, . . .	7	13	—	1	Good, .	None, .	—	
Fitchburg Machine Works, .	Machinery, . . .	90	—	—	—	Good, .	None, .	—	
E. F. Belden, . . .	Shoes, . . .	48	24	—	1	Good, .	Guard fly-wheel and main belt; designate water-closet.	Complied.	
Fitchburg Shoe Tip Co., . . .	Shoe tips, . . .	2	8	—	—	Good, .	Designate water-closet, . . .	Complied.	
Adjustable Saw Table Co, . .	Saw tables, . . .	6	—	—	—	Fair, .	None, .	—	
Central Shirt Co., . . .	Shirts, . . .	2	21	—	—	Fair, .	Post time-table and designate water-closet.	*—	
Grant Anti-Friction Ball Co.,	Balls for bicycles, . . .	25	8	—	—	Poor, .	Additional water-closet; designate the same; post time-table.	Complied.	
Fitchburg Worsted Co., . . .	Worsted suitings, . . .	125	260	—	21	Good, .	None, .	—	
Fitchburg Shirt Co., . . .	Shirts, . . .	4	80	—	5	Poor, .	Additional water-closet; designate the same; post time-table.	Complied.	
Fitchburg Duck Co., . . .	Cotton duck, . . .	32	65	—	13	Good, .	None, .	—	
Falulah Paper Co., . . .	Paper, . . .	95	—	—	2	Good, .	None, .	—	
Wheelwright Paper Co., . . .	Paper, . . .	28	24	—	—	Good, .	None, .	—	
GARDNER.									
L. B. Ramsdell, . . .	Toys, . . .	66	4	—	—	Good, .	None, .	—	
S. Bent & Bros., . . .	Chairs, . . .	75	—	—	—	Good, .	None, .	—	
Blount Manufacturing Co., . .	Builders' hardware, . . .	25	—	—	—	Good, .	None, .	—	

Wright, Reed & Co., . . .	Chairs, . . .	35	—	—	Good, .	Rail stairs on third floor and keep elevator gates closed.	Complied.
S. K. Pierce & Son, . . .	Chairs, . . .	90	—	—	Good, .	School certificate and post time-table.	Complied.
Nichols Bros., . . .	Chairs, . . .	75	—	—	Good, .	School certificate and post time-table.	Complied.
Kelley Bros., . . .	Chairs and carriages.	28	2	—	Fair, .	Designate water-closet, . . .	Complied.
Central Oil-gas Stove Co., .	Oil-gas stoves, . . .	175	—	—	Good, .	None, . . .	—
Frank W. Smith, . . .	Silverware, . . .	75	1	—	Good, .	Post time-table, . . .	Complied.
A. & H. C. Knowlton, . . .	Chairs, . . .	40	—	—	Good, .	None, . . .	—
Heywood Bros. & Co., . . .	Rattan goods, . . .	1,000	200	—	Good, .	None, . . .	—
Conant, Ball & Co., . . .	Chairs, . . .	35	—	—	Good, .	None, . . .	—
John A. Dunn, . . .	Chairs, . . .	125	—	—	Good, .	Post time-table, . . .	Complied
P. Derby & Co., . . .	Chairs, . . .	235	15	—	Good, .	None, . . .	—
GRAFTON.							
Farnumsville Cotton Mill, .	Print cloth, . . .	75	85	—	Good, .	None, . . .	—
Fisher Manufacturing Co., .	Fancy cottons, . . .	200	200	—	Good, .	None, . . .	—
Saunders Cotton Mill, . . .	Sheetings and shirtings.	75	65	—	Good, .	None, . . .	—
S. A. Furbush, . . .	Boots and shoes, . . .	59	16	—	Good, .	None, . . .	—
Gibbs & Allen, . . .	Boots and shoes, . . .	58	12	—	Good, .	None, . . .	—
Grafton Flax Co., . . .	Shoe thread, . . .	65	235	—	Good, .	None, . . .	—
J. S. Nelson & Son Shoe Co.,	Boots and shoes, . . .	235	65	—	Good, .	None, . . .	—
William Paton, . . .	Shoe strings, . . .	7	23	—	Good, .	None, . . .	—
LANCASTER.							
Lancaster Manufacturing Co.,	Cotton yarn, . . .	23	15	—	Fair, .	Repair elevator and designate water-closet.	Complied.

* Out of business.

DISTRICT No. 5 — Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
LEOMINSTER.									
Merriam, Hall & Co., two factories,	Furniture, .	106	—	—	—	Good,	—	
Wheelwright Paper Co., .	Paper, . . .	38	30	—	—	Good,	—	
National Fibre Co., .	Lea board, .	33	—	—	—	Good,	—	
F. A. Whitney Carriage Co.,	Baby carriages, .	155	20	—	—	Good,	—	
W. S. Reed Toy Co., .	Wooden toys, .	59	11	—	2	Good,	—	
Wachusett Shirt Co., .	Shirts, . . .	25	250	—	—	Good, .	. . .	Complied.
Wachusett Shirt Co., No. 2, .	Shirts, . . .	—	250	—	—	Good, .	. . .	Complied.
Wachusett Laundry, . . .	Laundry work, .	22	53	—	—	Good, .	Post time-table, . Post time-table, . Designate water-closet; post time-table.	Complied.	
Whitney & Co.,	Paper boxes, .	8	10	—	1	Good, .	Repair cable to counterweight; elevator taken out.	—	
W. D. Earl,	Horn goods, .	85	15	—	1	Good,	—	
E. B. Kingman,	Horn goods, .	105	15	—	—	Good,	—	
Cloutman, Dunham & Co., .	Boots and shoes, .	43	17	—	1	Fair, .	. . .	Complied.
Leominster Shirt Co., .	Shirts, . . .	26	171	—	7	Good,	—	
J. H. Locket Piano Case Co.,	Piano cases, .	55	—	—	—	Good,	—	
Mather & Winn,	Horn goods, .	37	3	—	3	Fair, .	. . .	Complied.
The Horn Supply Co., .	Horn sheets, .	35	—	—	—	Good,	—	
H. M. Richardson Carriage Co.,	Baby carriages, .	35	1	—	—	Good,	—	
Tenney & Porter, . . .	Horn goods, .	41	7	—	—	Good,	—	
A. W. Colburn & Co., .	Musical goods, .	30	6	—	—	Good,	—	
Paton Manufacturing Co., .	Horn goods, .	81	6	—	4	Good,	—	

District No. 5 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
MILLBURY — Concluded.								
Millbury Cotton Mill, . . .	Print cloth, . . .	60	70	—	11	Good, . .	None, . .	—
Atlanta Mill, . . .	Woollen warps, . .	15	—	—	—	Good, . .	None, . .	—
Cordis Mill, . . .	Tickings, . . .	70	80	—	6	Good, . .	None, . .	—
Aldrich Mill, . . .	Satinets, . . .	60	30	—	3	Fair, . .	None, . .	—
NORTH BROOKFIELD.								
E. & A. H. Batchelder Co., . .	Boots and shoes, . .	819	304	—	25	Good, . .	None, . .	—
H. H. Brown & Co., . . .	Boots and shoes, . .	120	30	—	1	Good, . .	Post time-table, . .	Complied.
Standard Manufacturing Co., . .	Overalls and jumpers	6	29	—	—	Good, . .	None, . .	—
E. & A. H. Batchelder Co., . .	Box factory, . .	17	14	—	5	Good, . .	Certificates and designate water-closet.	Complied.
OXFORD.								
Comins Mill, . . .	Satinets, . . .	22	13	—	1	Good, . .	None, . .	—
Texas Mill, . . .	Satinets, . . .	85	43	—	8	Good, . .	None, . .	—
Taft's Mill, . . .	Satinets, . . .	15	5	—	1	Good, . .	None, . .	—
Ackworth Mill, . . .	Cotton yarn, . . .	21	12	—	4	Good, . .	None, . .	—
Rockdale Mill, . . .	Cotton yarn, . . .	8	12	—	1	Good, . .	None, . .	—
Signorney Mill, . . .	Cotton yarn, . . .	37	26	—	3	Good, . .	None, . .	—
J. Chase & Son, two mills, . .	Kerseys, . . .	38	15	—	2	Good, . .	None, . .	—
A. L. Joslin & Co., . . .	Boots and shoes, . .	95	50	—	—	Good, . .	None, . .	—
Oxford Woollen Mill, . . .	White flannel, . .	30	19	—	—	Good, . .	None, . .	—

SPENCER.

Isaac Prouty & Co.,	Boots and shoes,	600	250	1	36	Good,	School certificates,	Complied.
Bacon & Sibley,	Boots and shoes,	120	30	1	8	Good,	Designate water-closet,	Complied.
Bacon, Young & Co.,	Boots and shoes,	55	30	—	—	Good,	None,	—
W. A. Barr & Son,	Heels,	5	40	—	—	Good,	None,	—
Prouty Bros.,	Boots,	33	7	—	—	Good,	None,	—
Aldrich Mill,	Satinets,	7	5	—	—	Fair,	None,	—
E. Jones & Co.,	Boots and shoes,	100	25	—	7	Good,	None,	—

SUTTON.

Sutton Manufacturing Co.,	Print cloth,	55	95	—	16	Good,	None,	—
Sutton Woollen Mills,	Satinets,	21	12	—	2	Good,	Designate water-closet,	Complied.

TEMPLETON.

T. T. Greenwood & Son,	Furniture,	20	—	—	—	Good,	None,	—
Bourn, Hadley & Co.,	Furniture,	45	—	—	—	Good,	None,	—
J. M. Greenwood & Co.,	Carriages and toys,	25	15	—	—	Good,	Post time-table; guard pulley; designate water-closet.	Complied.
Coöperative Chair Co.,	Chairs,	25	—	—	—	Good,	None,	—

STURBRIDGE.

Fiskdale Mills, Nos. 1 and 2,	Print cloth,	192	118	—	29	Good,	None,	—
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URTON.

Benson & Nelson,	Straw hats,	30	50	—	3	Good,	None,	—
William Knowlton & Son,	Straw goods,	200	500	—	—	Good,	None,	—

WESTBOROUGH.

L. R. Bates,	Straw goods,	35	85	—	—	Good,	Post time-tables,	Complied.
Geo. B. Brigham & Co.,	Boots and shoes,	150	25	—	—	Good,	None,	—
Westborough Boot and Shoe Co.,	Boots and shoes,	76	14	—	—	Good,	None,	—
Gould & Walker,	Boots and shoes,	225	50	—	30	Good,	None,	—

DISTRICT NO. 5—*Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
WEST BROOKFIELD.								
McIntosh & Co.,	Boots and shoes, .	90	30	—	1	Good, .	None, .	—
J. T. Wood,	Boots,	35	—	—	—	Good, .	None, .	—
WESTMINSTER.								
Artemas Merian,	Chairs,	85	—	—	—	Good, .	Post time-table, .	Complied.
WINCHENDON.								
Wendel P. Clark,	Chairs,	30	—	—	—	Good, .	None, .	—
E. Murdock & Co.,	Tubs and pails, .	160	1	—	12	Good, .	None, .	—
William Brown & Son,	Tubs and pails, .	43	2	—	1	Good, .	None, .	—
Glen Allen Mill,	Denims,	47	78	2	8	Good, .	None, .	—
The Nelson Mill,	Denims,	206	124	1	7	Good, .	None, .	—
C. W. Day & Son,	Brush handles, .	19	—	—	—	Good, .	Guard crank, fly-wheel and pulley, .	Complied.
M. E. Converse & Co.,	Chairs and toys, .	75	35	1	2	Good, .	Guard crank and belts, .	Complied.
Mason & Parker,	Bit-braces and steel toys.	27	3	—	—	Good, .	None, .	—
WORCESTER.								
Prentice Bros.,	Machinery and tools	50	—	—	—	Good, .	Guard engine crank and belt and repair floor of engine room.	Complied.
Whitcomb & Miles,	Boots and shoes, .	120	30	—	—	Good, .	None, .	—
J. J. Griffin,	Mattress maker, .	12	6	—	—	Good, .	Post time-table, .	Complied.
Edward Thayer, Jr.,	Woollen suiting, .	90	50	—	5	Good, .	None, .	—

*Report of Elevators Inspected.*DISTRICT No. 5. LEWIS F. F. ABBOTT, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Auburn.				
Stonville Worsted Co., . .	1	Good,	None.	-
Brookfield.				
George H. Burt & Co., . .	2	Good,	None.	-
Clinton.				
Bigelow Carpet Co., School and Union Streets.	4	Good,	None.	-
Bigelow Carpet Co., Main Street,	5	Good,	None.	-
Lancaster Manufacturing Co., .	5	Good,	None.	-
Lancaster Manufacturing Co., .	1	Old,	Repair rack, . . .	Complied.
Clinton Wall Trunk Co., . .	1	Good,	None.	-
Clinton Wire Cloth Co., . .	1	Good,	None.	-
Fitchburg.				
Parkhill Manuf'g Co., Mill A, .	1	Good,	None.	-
Parkhill Manuf'g Co., Mill C, .	1	Good,	None.	-
Crocker & Burbank, Mill 1, . .	1	Good,	None.	-
Crocker & Burbank, Mill 7, . .	1	Good,	None.	-
Crocker & Burbank, Mill 8, . .	1	Good,	None.	-
Crocker & Burbank, Mill 4, . .	1	Good,	None.	-
Crocker & Burbank, Mill 2, . .	1	Good,	None.	-
Iver, Johnson & Co.,	3	Good,	None.	-
Fitchburg Paper Co.,	5	Good,	None.	-
Mitchell Manufacturing Co., .	1	Good,	None.	-
Grant Yarn Co.,	1	Good,	None.	-
Orswill Mills,	2	Good,	None.	-
Star Worsted Co.,	1	Good,	None.	-
Putnam Machine Co.,	1	Good,	None.	-
Putnam Tool Co.,	1	Good,	None.	-
Beoli Mill,	1	Good,	None.	-
E. M. Dickenson & Son, . . .	1	Good,	None.	-
Simonds Manufacturing Co., .	3	Good,	None.	-
C. H. Brown & Co.,	1	Good,	None.	-
Fitchburg Machine Works, . .	1	Good,	None.	-
E. F. Belden,	1	Good,	None.	-
Farwell & Hawley,	1	Good,	None.	-
Fitchburg Worsted Co., . . .	1	Good,	None.	-
Falulah Paper Co.,	2	Good,	None.	-
Wheelwright Paper Co., . . .	2	Good,	None.	-
Gardner.				
L. B. Ramsdell,	1	Good,	None.	-
S. Bent & Bros.,	1	Good,	None.	-
Blount Manufacturing Co., . .	1	Good,	None.	-
Wright, Reed & Co.,	1	Good,	Keep gates closed, . .	Complied.
S. K. Pierce & Son,	2	Good,	None.	-
Nichols Bros.,	2	Good,	None.	-
Central Oil-gas Stove Company,	1	Good,	None.	-
A. & H. C. Knowlton,	1	Good,	None.	-
Heywood Bros. & Co.,	5	Good,	None.	-
Conant & Ball,	1	Good,	None.	-
John A. Dunn,	3	Good,	None.	-
P. Derby & Co.,	2	Good,	None.	-
Grafton.				
Fisher Manufacturing Co., . .	1	Good,	None.	-
Grafton Flax Co.,	1	Good,	None.	-
Saunders Cotton Mill,	1	Good,	None.	-
J. S. Nelson & Son Shoe Co., .	2	Good,	None.	-
Lancaster.				
Lancaster Manufacturing Co., .	1	Fair,	Put another leaf in spring,	Complied.
Leominster.				
Merriam, Hall & Co.,	2	Good,	None.	-
National Fibre Co.,	1	Good,	None.	-
F. A. Whitney Carriage Co., .	2	Good,	None.	-

Report of Elevators Inspected — Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pli- ances.
Leominster — Con.				
W. S. Reed Toy Co., . . .	1	Good,	None.	—*
Wachusett Shirt Co., . . .	1	Good,	None.	—
Wachusett Laundry, . . .	1	Good,	None.	—
Whitney & Co., . . .	1	Fair,	Repair cable, . . .	Taken out.
Leominster Shirt Co., . . .	1	Good,	None.	—
Sun Enamel Co., . . .	1	Good,	None.	—
J. H. Lockey Piano Case Co., . .	1	Good,	None.	—
Horn Supply Co., . . .	1	Good,	None.	—
H. M. Richardson Carriage Co., .	1	Good,	None.	—
E. M. Rockwell, . . .	1	Good,	None.	—
Jewett Piano Co., . . .	1	Good,	None.	—
Leominster Worsted Co., . . .	1	Good,	None.	—
F. G. Smith, . . .	1	Good,	None.	—
C. J. Cobleigh Piano Case Co., .	1	Good,	None.	—
Leicester.				
Andrew Howarth & Son, . . .	1	Good,	None.	—
L. S. Watson, . . .	1	Good,	None.	—
Central Factory, . . .	1	Good,	None.	—
Millbury.				
M. A. Lapham, . . .	2	Good,	None.	—
Rhodes Manufacturing Co., . .	1	Good,	None.	—
Crane & Waters, . . .	1	Good,	None.	—
Cordis Mill, . . .	2	Good,	None.	—
North Brookfield.				
E. & A. H. Batchelder Co., . .	3	Good,	None.	—
Batchelder Box Factory, . .	1	Good,	None.	—
H. H. Brown & Co., . . .	1	Good,	None.	—
Oxford.				
A. L. Joslin & Co., . . .	1	Good,	None.	—
Ackworth Mill, . . .	1	Good,	None.	—
Spencer.				
Bacon & Sibley, . . .	1	Good,	None.	—
Bacon, Young & Co., . . .	1	Good,	None.	—
Isaac Prouty & Co., . . .	5	Good,	None.	—
William Barr & Son, . . .	1	Good,	None.	—
E. Jones & Co., . . .	1	Good,	None.	—
Templeton.				
Co-operative Chair Co., . .	1	Good,	None.	—
T. T. Greenwood & Sons, . .	1	Good,	None.	—
Bourn, Hadley & Co., . .	1	Good,	None.	—
J. M. Greenwood & Co., . .	1	Good,	None.	—
Upton.				
Wm. Knowlton & Sons, . . .	1	Good,	None.	—
Westborough.				
Geo. B. Brigham, . . .	1	Good,	None.	—
Westborough B. & S. Co., . .	2	Good,	None.	—
Gould & Walker, . . .	1	Good,	None.	—
West Brookfield.				
McIntosh & Co., . . .	1	Good,	None.	—
Winchendon.				
Glen Allen Mill, . . .	1	Good,	None.	—
Nelson Mill, . . .	1	Good,	None.	—
C. W. Day & Sons, . . .	1	Good,	None.	—
M. E. Converse & Co., . .	3	Good,	None.	—
Wendel P. Clark, . . .	1	Good,	None.	—
Mason & Parker, . . .	2	Good,	None.	—

* Fixed while there.

Report of Elevators Inspected — Concluded.

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
Westminster.				
A. Merriam,	1	Good,	None.	-
Worcester.				
Glasco Thread Co.,	2	Good,	None.	-
Worcester Corset Co.,	1	Good,	None.	-
Graton & Knight,	1	Good,	None.	-
Speirs Manufacturing Co.,	1	Good,	None.	-
Norcross Brothers,	2	Good,	None.	-
Whitcomb & Miles,	2	Good,	None.	-
J. J. Warren Co.,	1	Good,	None.	-
Waverly Shoe Co.,	1	Good,	None.	-
Coes Wrench Co.,	1	Good,	None.	-
Denholm & McKay,	1	Good,	Automatic gates.	-
Heywood Boot & Shoe Co.,	1	Good,	None.	-
E. K. Earl,	2	Good,	None.	-
E. H. Stark,	1	Good,	None.	-
J. W. Brigham,	1	Good,	None.	-
Ruddy Thread Co.,	1	Good,	None.	-
National Manufacturing Co.,	1	Good,	None.	-
Wire Goods Co.,	1	Good,	None.	-

REPORT OF INSPECTOR TIERNEY.

I hereby submit my annual report giving the result of my observations of the working of the several factory laws in the district assigned to me.

The manner in which the laws have been observed by the manufacturers in general, and their cheerful compliance with any order I have seen fit to give, is most gratifying to me.

In sanitary matters there are marked improvements. This has been especially noted in factories of recent construction, where everything has been done to make a perfect system. Most of the older factories have undergone changes in this respect, and now, with a few exceptions, I consider the sanitary arrangements of the factories and workshops in this district all that could be desired. I am pleased to report that in every case where additional accommodations or cleanliness have been required by the inspector they have been promptly provided. In fact, there seems to be a desire on the part of those who have charge of such factories or workshops to do all that is possible to remedy such evils, and I want to say right here that there are some mills in the city of Fall River where they give a prize to the overseer having the cleanest rooms, and I must say they are models to look at.

Sections 13 and 14 of chapter 104 of the Public Statutes, relating to the protection of machinery, have been cheerfully complied with. In all cases the manufacturers seem to thoroughly appreciate this law, and in many cases, where their attention has

been called to any defects, they express surprise that it had not been observed by them before, especially with machinery which I consider as very dangerous — the mule-heads at the extreme ends of the mule-rooms in most of the cotton mills in my district — and I had all of the same cased up, which met with the approval of employees and employers.

I have given especial attention to gearing and set-screws. The fact is quite evident that exposed gears and set-screws are especially dangerous. Universal efforts have been put forth by superintendents of factories to guard all dangerous shafting, belting and pulleys by boxing.

Section 3, chapter 348, of the Acts of 1888, relating to the employment of children under sixteen years of age, is observed in a very satisfactory manner in my district, excepting two cases, where I was compelled to prosecute the overseer in one case and the corporation in the other, for employing children under sixteen years of age without a certificate, and they were both fined for the same.

There has been a very noticeable decrease the past year in the number of young help employed, especially between the ages of thirteen and fourteen. Manufacturers are fast coming to the conclusion that the results of employing older help, although more expensive, are far more satisfactory, and to this fact alone can be attributed the large decrease.

The law relating to illiterates is proving very beneficial. Manufacturers have interested themselves enough to co-operate with the school boards, and now the attendance at some places in my district is such that the accommodations have proven inadequate.

I have neither observed nor heard of any violation of chapter 183 of the Acts of 1890, prohibiting the employment of women and minors in manufacturing establishments between the hours of 10 P.M. and 6 A.M.

The provisions of the fifty-eight-hour law regarding the employment of women and children are, I believe, as well complied with as any on the statute books.

I have had one or two complaints for running overtime, and upon investigation the time was so short that for the want of evidence I could do nothing with the cases.

Chapter 52 of the Acts of 1884, An Act prohibiting the locking of doors of buildings wherein operatives are employed during the hours of labor, is generally complied with in this district.

Chapter 150 of the Acts of 1882, in regard to the providing of seats for women, I must say is very generally complied with, excepting in the mills of Fall River, where the manufacturers

were ignorant of the existence of such a law, but were not slow to see the great benefit seats were to women after they had the same in their mills awhile. I have in many cases given manufacturers extracts from the Public Statutes in order to post them on all factory laws.

A careful inspection has been made of all the elevators in my district, and I have tested the safety device on all the elevator cars. Most of them I have found in a condition which I consider good. Where I found they were not I issued orders to remedy the defects, and they were promptly complied with. Fortunately there has been no serious accident in this district this year. The freedom from accidents with elevators I attribute not so much to additional devices as to the fact that the managers in the workshops and factories believe in providing some suitable person whose duty it is to attend to the running of the elevators.

Courteous treatment has always been accorded the inspector in this district, and in my investigations I have been in all cases met with a perfect freedom to impart the knowledge desired, both from employer and employed.

I wish to say, in conclusion, that I have had the generous support and counsel of Officer Dexter, thus receiving the benefit of his experience as inspector of this district.

JOHN F. TIERNEY, *Inspector.*

DISTRICT No. 6,

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
ATTLEBOROUGH.								
F. W. Wever,	Jewelry,	23	2	—	Good,	None,	—	
J. M. Fisher,	Jewelry,	31	12	—	Good,	None,	—	
W. H. Willmarth & Co.,	Jewelry,	45	40	—	Good,	Post time-table,	Complied.	
Marsh & Rigney,	Jewelry,	23	10	—	Good,	None,	—	
Regnells, Bigney & Co.,	Jewelry,	32	28	—	Good,	File two school certificates,	Complied.	
Smith & Crosby,	Jewelry,	21	5	—	Good,	None,	—	
F. H. Sadler & Co.,	Jewelry,	8	7	—	Good,	None,	—	
J. T. Juman & Co.,	Jewelry,	9	2	—	Good,	None,	—	
Wheaton, Richards & Co.,	Jewelry,	10	2	—	Good,	None,	—	
Charles Hayward,	Jewelry,	22	3	—	Good,	None,	—	
Bato & Bacon,	Jewelry,	145	15	2	Good,	None,	—	
W. & S. B. Blackinton,	Jewelry,	105	30	—	Good,	None,	—	
Smith, Carpenter & Co.,	Coffin trimmings,	2	2	—	Good,	None,	—	
Dagget & Clap,	Jewelry,	41	11	1	Good,	None,	—	
Short, Narrey & Co.,	Jewelry,	32	18	—	Good,	None,	—	
Willmarth, Holmes & Co.,	Jewelry,	3	3	—	Good,	None,	—	
Nelson Carpenter,	Jewelry,	4	2	—	Good,	None,	—	
Dolon & Co.,	Jewelry,	2	2	—	Good,	None,	—	
Blake & Claflen,	Jewelry,	22	3	—	Good,	None,	—	
G. A. Dean & Co.,	Jewelry,	52	8	—	Good,	None,	—	
Elliss, Livsy & Brown,	Jewelry,	42	18	—	Good,	Put flush-tanks in water-closets,	Complied.	

DISTRICT NO. 6 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.				14 to 16.
ATTLEBOROUGH — <i>Concluded.</i>							
D. F. Briggs & Co.,	Jewelry,	50	30	—	1	None,	—
Simmes & Co.,	Jewelry,	2	2	—	—	None,	—
S. W. Gould & Co.,	Jewelry,	5	2	—	—	None,	—
D. A. Makpeace,	Jewelry,	12	4	—	—	Box up pulleys and post time-table,	Complied.
Watson, Newell & Co.,	Jewelry,	100	100	—	1	None,	—
W. E. Sanford,	Enamelling,	2	2	—	—	None,	—
H. Wexel,	Jewelry,	19	11	—	1	None,	—
J. W. Cummings,	Jewelry,	14	14	—	—	None,	—
E. Robinson,	Jewelry,	10	3	—	—	Put in flush-tanks in water-closets,	—
Bliss Bros.,	Jewelry,	30	8	—	—	None,	—
Streeter Bros.,	Jewelry,	7	5	—	—	None,	—
W. D. Willmarth & Co.,	Coffin trimmings,	15	15	—	—	None,	—
Horton, Angell & Co.,	Jewelry,	44	35	—	2	None,	—
A. A. Bushee & Co.,	Jewelry,	20	19	—	—	None,	—
T. L. Walkins,	Enamelling,	2	2	—	—	None,	—
J. F. Foley,	Jewelry,	1	3	—	—	Post time-table,	Complied.
R. F. Simmons & Co.,	Jewelry,	17	15	—	—	Post time-table,	Complied.
C. A. Wetherell & Co.,	Jewelry,	25	15	—	4	Designate closets and box up pulleys,	Complied.
E. T. Bright,	Enamelling,	4	6	—	—	None,	—
Attleborough Sun,	Newspaper,	12	3	—	—	Post time-table,	Complied.
Dodgville Mills,	Cotton cloth,	165	88	—	24	Post time-table; seats for women and designate closets,	Complied.
Hebron Mills,	Cotton cloth,	62	175	—	18	Post time-table,	Complied.

ATLEBOROUGH FALLS.

Gold Medal Braud Co.,	Dress braids,	7	40	—	12	Good,	None,	—	Complied.
Stamley Bros.,	Jewelry,	18	12	—	—	Good,	Box up gears,	—	—
Bell & Cobb,	Jewelry,	18	7	—	—	Good,	None,	—	—
W. D. Fisher & Co.,	Jewelry,	35	15	—	—	Good,	None,	—	—
J. F. Strudy,	Jewelry,	10	8	—	—	Good,	None,	—	—
V. H. Blackinton & Co.,	Jewelry,	13	3	—	—	Good,	None,	—	—
B. S. Freeman & Co.,	Jewelry,	26	19	—	—	Good,	None,	—	—
Salomon, Davidson & Co.,	Jewelry,	25	15	—	—	Good,	None,	—	—
W. G. Clark & Son,	Jewelry,	40	12	—	—	Good,	None,	—	—
Mason, Robbins & Co.,	Jewelry,	10	3	—	—	Good,	None,	—	—
W. F. Briggs & Co.,	Jewelry,	19	16	—	—	Good,	None,	—	—
Mason Jewelry Co.,	Jewelry,	19	6	—	—	Good,	Post time-table,	—	Complied.
A. Newhaus,	Jewelry,	12	3	—	—	Good,	Post time-table,	—	Complied.
NORTH DIGHTON.									
Mount Hope Mill,	Cotton yarns,	35	45	—	10	Good,	Box up mule-heads,	—	Complied.
L. Lincoln & Co.,	Paper,	30	—	—	4	Good,	None,	—	—
DIGHTON.									
E. T. Cowdrey Co.,	Canned beans and pease.	16	39	—	8	Good,	File eight school certificates,	—	Complied.
NORTH EASTON.									
Ross Heel Co.,	Wood heels,	66	30	—	7	Good,	Post time-table; designate water- closets.	—	Complied.
J. B. King,	Boots and shoes,	25	10	—	3	Good,	None,	—	—
Rice & Hutchins,	Fine shoes,	210	75	—	6	Good,	Post time-table; box up pulleys and cover up set-screws.	—	Complied.
Ames Shovel Co.,	Shovels,	285	—	—	4	Good,	File one school certificate,	—	Complied.
E. W. Gilmore,	Door hinges,	27	4	—	6	Good,	Designate closets,	—	Complied.
New England Specialty Co.,	Hardware,	15	5	—	3	Good,	None,	—	—

DISTRICT No. 6 — Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
PROVINCETOWN.								
Puritan Shirt Co, . . .	Men's white shirts, .	5	145	—	—	Good, .	None, .	—
L. Pickit & Co, . . .	Canned fish, . . .	25	30	—	—	Good, .	None, .	—
ORLEANS.								
Cummings & Howes, . .	Men's clothing, . .	60	100	1	—	Good, .	None, .	—
Snow's Clothing Factory, .	Men's clothing, . .	24	104	—	—	Good, .	None, .	—
FREETOWN.								
N. R. Davis & Son, . . .	Sporting guns, . . .	40	—	—	6	Good, .	None, .	—
Crystal Spring Bleaching, .	Dyeing and bleach- ing.	132	15	—	—	Good, .	None, .	—
SANDWICH.								
Cape Cod Decorating Co., .	Decorating glass, .	11	9	—	5	Good, .	None, .	—
N. Packwood & Co., . . .	Cut glass, . . .	34	4	—	2	Good, .	Post time-table, .	Complied.
Union Brading Co., . . .	Silk braid, . . .	3	4	—	—	Good, .	None, .	
Sandwich Tag and Card Co.,	Shipping cards, . .	2	3	—	—	Good, .	None, .	
Charles W. Spurr & Co, . .	Pressed work, . . .	50	10	—	7	Good, .	None, .	
RAYNHAM.								
Zeno H. Kelly, . . .	Men's and boys' shoes	32	8	—	—	Good, .	None, .	—

SOMERSET.			67	-	-	6	Good.	Box up pulley and file school cards.	Complied.
Somerset & Johnsonburg Manufacturing Co.									
Mount Hope Iron Works, . . .			225	-	-	15	Good.	None, . . .	-
Somerset Shoe Co., . . .			15	10	-	2	Good.	None, . . .	-
SWANSEA.									
Swansea Bleaching & Dyeing Co.,			20	-	-	5	Good.	Box up pulleys and gears, . .	Complied.
Daniel R. Childs, . . .			19	14	-	3	Good.	None, . . .	-
FALL RIVER.									
Seaconnet Mill, . . .			200	250	-	28	Good.	Seats for women and designate closets.	Complied.
Cornell Mills, . . .			245	230	3	24	Good.	Provide seats for women, . .	Complied.
Barnard Manufacturing Co., . .			200	175	-	25	Good.	Seats for women and box up pulleys and gearing.	Complied.
Hargraves Mill, No. 2, . . .			250	250	3	32	Good.	Provide seats for women, . .	Complied.
Stafford Mills, . . .			395	400	-	30	Good.	Railing in front of crank on engine,	Complied.
Barnaby Manufacturing Co., . .			275	275	-	20	Good.	Seats for women and box up mule-heads.	Complied.
Wampanoag Mills, . . .			350	450	-	28	Good.	Put railing in front of cranks on engines.	Complied.
Merchants' Manufacturing Co., .			325	475	-	40	Good.	Railing in front of engine and seats for women.	Complied.
Granite Mills, . . .			400	500	-	37	Good.	Provide seats for women, . .	Complied.
Pocasset Manufacturing Co., . .			300	500	-	37	Good.	Repair water-closets and whitewash the same.	Complied.
Davol Mills, . . .			200	200	-	17	Good.	Seats for women and box up belt and mule-heads.	Complied.
Robeson Mill, . . .			100	200	-	14	Good.	Provide seats for women, . .	Complied.

DISTRICT No. 6 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
FALL RIVER — Continued.							
Tecumseh Mills,	Cotton cloth,	200	300	—	27	Good, .	Complied.
Crescent Mill,	Cotton cloth,	250	250	—	21	Good, .	Complied.
Chase Mill,	Cotton cloth,	225	275	—	27	Good, .	Complied.
Richard Borden Manuf'g Co.,	Cotton cloth,	300	500	—	34	Good, .	Complied.
Annawan Mill,	Cotton cloth,	40	60	—	4	Good, .	Complied.
Metacomet Mill,	Cotton cloth,	450	170	—	18	Good, .	Complied.
King Philip Mills,	Cotton cloth,	600	800	—	50	Good, .	Complied.
Shove Mill,	Cotton cloth,	250	300	—	22	Good, .	Complied.
Slade Mill,	Cotton cloth,	375	200	—	22	Fair, .	Complied.
Laurel Lake Mill,	Cotton cloth,	315	175	—	22	Good, .	Complied.
Flint Mill,	Cotton cloth,	225	275	—	54	Good, .	Complied.
Durfee Mills,	Cotton cloth,	475	550	—	100	Good, .	Complied.
American Linen Mills,	Cotton cloth,	350	500	—	62	Good, .	Complied.

Osborn Mills,	Cotton cloth,	400	450	-	48	Good,	Box up mule-heads and cover up gears,	Complied.
Union Cotton Manufacturing Co.,	Cotton cloth,	400	500	-	62	Good,	Provide seats for women and box up mule-heads.	Complied.
Troy Cotton and Woollen Manufacturing Co.	Cotton cloth,	175	200	-	33	Good,	Provide seats for women and box up mule-heads.	Complied.
Sagamore Manufacturing Co.,	Cotton cloth,	400	400	-	51	Good,	Provide seats for women and box up mule-heads.	Complied.
Globe Yarn Mills,	Cotton yarns,	450	500	-	95	Good,	Keep doors unlocked,	Complied.
Fall River Yarn Works Co.,	Cotton cloth,	500	500	-	67	Good,	Provide seats for women and railing in front of crank on engine.	-
Border City Manufacturing Co.,	Cotton cloth,	600	500	-	90	Good,	Provide seats for women,	Complied.
Weetamoc Mills,	Cotton cloth,	150	200	-	26	Good,	Provide seats for women,	Complied.
Mechanics' Mills,	Cotton cloth,	250	300	-	54	Good,	Provide seats for women,	Complied.
Narragansett Mills,	Cotton cloth,	200	200	-	36	Good,	Provide seats for women,	Complied.
American Printing Co.,	Printing calicoes,	500	60	-	70	Good,	Box up pulleys,	Complied.
Massasoit Manufacturing Co.,	Waste mill,	100	60	-	10	Good,	Put in fans in picker room and box up pulleys.	Complied.
American Supply Co.,	Reed and harness,	8	9	-	1	Good,	File one school certificate,	Complied.
Jesse Eddy Manufacturing Co.,	Woollen,	180	70	-	9	Good,	None,	-
Union Belt Co.,	Belts,	26	2	-	-	Good,	None,	-
George P. Fraprie,	Paper boxes,	2	12	-	3	Good,	Post time-table and file two school certificates.	Complied.
Metallic Comb Manuf'g Co.,	Combs,	4	5	-	2	Good,	File one school certificate,	Complied.
Congdon's Serimes Manuf'g Co.,	Serimes,	4	3	-	-	Good,	None,	-
Howarth & Watson,	Confectionery,	2	2	-	2	Good,	Post time-table,	Complied.
David Howarth,	Confectionery,	3	2	-	1	Good,	Post time-table,	Complied.
F. Eastwood,	Ginghams,	8	8	-	1	Good,	Post time-table and put in closets for women.	Complied.
Empire Laundry,	Steam laundry,	3	3	-	-	Good,	Post time-table and box up pulleys,	Complied.

DISTRICT NO. 6 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
FALL RIVER — <i>Continued.</i>								
N. & N. R. Lewis, . . .	Waste and paper mill.	12	8	—	—	Good, .	None, .	—
Algonquin Printing Co., . .	Printing and dyeing.	78	12	—	5	Good, .	None, .	—
Conanicut Mill, . . .	Cotton prints, .	83	92	—	13	Good, .	Provide seats for women, .	Complied.
James Marshall's Manuf'g Co., .	Men's hats, . .	228	125	—	3	Good, .	File one school certificate, .	Complied.
Davis & McLane's Manuf'g Co., .	Top rolls, . .	15	2	—	—	Good, .	Post time-table, .	Complied.
J. F. Nichols, . . .	Top rolls, . .	4	3	—	—	Good, .	None, .	—
H. W. Dyson, . . .	Reeds, . . .	5	2	—	—	Good, .	None, .	—
Mary S. Webster, . . .	Loom harness, .	13	20	—	—	Good, .	None, .	—
Coval & Osborn, . . .	Rope and banding, .	15	—	—	5	Good, .	None, .	—
Charles F. Hill, . . .	Top rolls, . .	5	2	—	—	Good, .	None, .	—
Henry J. Langly, . . .	Reeds and harness, .	17	13	—	4	Good, .	File three school certificates, .	Complied.
Mark Cummings, . . .	Top rolls, . .	26	5	—	5	Good, .	File two school certificates, .	Complied.
C. M. G. Fraprie, . . .	Cop. tubes, . .	10	—	—	3	Good, .	None, .	—
Kerr Thread Mills, . . .	Cotton thread, .	216	146	—	33	Good, .	Box up mule-heads and post time-table.	Complied.
Fall River Daily Herald, . . .	Newspaper, . .	33	12	—	5	Good, .	None, .	—
Fall River Daily Globe, . . .	Newspaper, . .	45	5	—	6	Good, .	None, .	—
Fall River Daily News, . . .	Newspaper, . .	27	5	—	6	Good, .	None, .	—
Maple Street Laundry, . . .	Steam laundry, .	3	14	—	—	Good, .	None, .	—

Small Bros., . . .	Twine and band- ing.	50	-	-	20	Good, .	None, .	. . .	-
Fall River Laundry, . .	Steam laundry, .	30	90	-	23	Good, .	None, .	. . .	-
National Laundry, . .	Steam laundry, .	5	15	-	-	Good, .	None, .	. . .	-
Fall River Manufactory, .	Cotton cloth, .	200	300	-	-	Good, .	Box up mule-heads, .	. . .	Complied.
W. C. Powers, . . .	Top rolls, .	5	2	-	12	Good, .	Post time-table, .	. . .	Complied.
Wadsworth & More, . .	Loom pickers, .	6	2	-	4	Good, .	Post time-table, .	. . .	Complied.
John J. Haywood, . .	Cotton banding, .	2	1	9	2	Good, .	Box up gears, .	. . .	Complied.
James Cork & Co., . .	Loom reeds, .	10	-	-	4	Good, .	Post time-table, .	. . .	Complied.
Joseph Wild, . . .	Brushes, .	2	3	-	-	Good, .	Post time-table, .	. . .	-
Goss Bros., . . .	Rope, . . .	2	2	-	1	Good, .	Post time-table and file one school certificate.	. . .	Complied.
Barlow Cotton Waste Co., .	Waste and paper stock.	24	36	-	1	Good, .	File one school certificate, .	. . .	Complied.
Fisk's Job Printers, . .	Job printing, .	24	12	-	7	Good, .	None, .	. . .	-
James Lawler, . . .	Job printing, .	2	2	-	-	Good, .	Post time-table, .	. . .	Complied.
Sanford Spinning Co., . .	Cotton yarn, .	100	260	-	21	Good, .	Railing in front of cranks on engines and box up mule-heads and file six school certificates.	. . .	Complied.
J. H. Franklin & Co., . .	Stationers, . .	8	4	-	1	Good, .	Post time-table and file one school certificate.	. . .	Complied.
Douglas Bros., . . .	Paper cop tubs, .	8	4	-	8	Good, .	Post time-table and file seven school certificates.	. . .	Complied.
Hathaway, Bowbonmier & Co., .	Job printing, .	2	2	-	-	Good, .	Post time-table, .	. . .	Complied.
L'Independent Publishing Co., .	Job printing, .	3	2	-	1	Good, .	Post time-table and file one school certificate	. . .	Complied.
John D. Munroe, . . .	Job printing, .	8	4	-	-	Good, .	Post time-table and put in separate closets.	. . .	Complied.
Knox & Charlton, . . .	5 and 10 cents store, .	2	16	-	14	Good, .	Post time-table and file four school certificates.	. . .	Complied.
C. T. Sherer & Co., . . .	Dry goods, . .	20	50	-	7	Good, .	Post time-table, .	. . .	Complied.

DISTRICT NO. 6 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
FALL RIVER — Concluded.								
E. S. Brown & Co.,	Dry goods,	33	26	—	6	Good.	Post time-table,	Complied.
Quinn, Woodland & Co.,	Dry goods,	12	9	—	4	Good.	Post time-table,	Complied.
Stewart & Hamerton,	Dry goods,	9	12	—	5	Good.	Post time-table,	Complied.
Fall River Bobbin and Shuttle Co.,	Bobbin and shuttles.	115	1	—	11	Good.	Post time-table,	Complied.
J. H. Estes & Son,	Twines,	25	25	—	3	Good.	Post time-table,	Complied.
Fall River Bleachery,	Bleaching,	145	30	—	9	Good.	None,	—
Hargrave's Mill, No. 2,	Cotton cloth,	225	138	—	18	Good.	Put railing in front of cranks on engine and post time-table.	Complied.
Stevens Manufacturing Co.,	Plush,	60	30	—	15	Good.	Post time-table,	Complied.
R. A. McWherr & Co.,	Dry goods,	31	34	—	5	Good.	Post time-table,	Complied.
NORTH ATTLEBOROUGH.								
Wade, Davis & Co.,	Jewelry,	34	11	—	—	Good.	None,	—
Plainville Stock Co.,	Jewelry,	49	12	—	—	Good.	Designate water-closet,	Complied.
Seymore, Knapp & Warren Co.,	Jewelry,	26	4	—	—	Good.	None,	—
Lincoln, Bacon & Co.,	Jewelry,	57	15	—	—	Good.	Designate water-closet,	Complied.
Robinson Bros.,	Jewelry,	10	10	—	1	Good.	None,	—
J. B. Maintine,	Enamelling,	5	8	—	—	Good.	None,	—
Barding, Blake & Co.,	Jewelry,	54	6	—	—	Good.	None,	—
O. M. Draper,	Jewelry,	35	50	—	—	Good.	None,	—
E. J. Richards,	Jewelry,	54	6	—	—	Good.	None,	—
H. D. Merrett & Co.,	Jewelry,	45	15	—	—	Good.	Box up pulleys,	Complied.

T. J. Smith & Co.,	Jewelry,	61	14	—	1	Good,	Put railing around hatchway and box up pulleys.	Complied.
John P. Bennett,	Jewelry,	16	2	—	1	Good,	None,	—
G. W. Chever,	Jewelry,	45	15	—	—	Good,	None,	—
Thomas Totter & Co.,	Jewelry,	45	30	—	—	Good,	None,	—
Riley, French & Heffernan,	Jewelry,	66	14	—	—	Good,	Designate water-closets and box up pulleys and gears.	Complied.
French & Franklin,	Jewelry,	18	2	—	—	Good,	Box up pulleys and gears,	Complied.
F. S. Gilbert,	Jewelry,	16	4	—	1	Good,	File one school certificate,	Complied.
S. E. Fisher & Co.,	Jewelry,	44	6	—	—	Good,	None,	—
Sandland, Capron & Co.,	Jewelry,	43	2	—	—	Good,	None,	—
D. E. Codding & Co.,	Jewelry,	10	3	—	—	Good,	None,	—
E. T. Franklin & Co.,	Jewelry,	53	7	—	—	Good,	Box up pulleys,	Complied.
R. Blackinton & Co.,	Jewelry,	32	8	—	—	Good,	None,	—
G. K. Webster,	Jewelry,	31	4	—	—	Good,	None,	—
Codling Bros.,	Jewelry,	20	10	—	—	Good,	None,	—
Cutler & Lull,	Jewelry,	10	2	—	—	Good,	Box up pulleys and gears; designate closets.	Complied.
John Burningham,	Enamelling,	2	8	—	—	Good,	None,	—
H. H. Curtis & Co.,	Jewelry,	38	2	—	—	Good,	Post time-table,	Complied.
J. B. Schuckhardt,	Jewelry,	2	8	—	—	Good,	None,	—
Young & Stermes,	Jewelry,	33	12	—	—	Good,	Post time-table,	Complied.
J. G. Cheever & Co.,	Jewelry,	12	8	—	—	Good,	None,	—
F. M. Whitin & Co.,	Silverware,	72	3	—	—	Good,	None,	—
Bugbee & Niles,	Jewelry,	25	5	—	—	Good,	None,	—
Sandland, Palmer & Peckham,	Jewelry,	10	2	—	—	Good,	Box up gears,	Complied.
H. H. Bliss & Co.,	Jewelry,	4	14	—	—	Good,	None,	—
A. Schilling,	Jewelry,	1	6	—	—	Good,	None,	—
Crandall & Pardee,	Jewelry,	13	2	—	—	Good,	None,	—
Coöperative Manufacturing Co.,	Jewelry,	17	3	—	—	Good,	None,	—
T. G. Frothingham & Co.,	Jewelry,	15	5	—	—	Good,	Post time-table,	Complied.

DISTRICT No. 6 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
NORTH ATTLEBORO' — <i>Concluded</i>								
H. F. Barrows & Co., . . .	Jewelry, . . .	45	15	—	1	Good, . . .	None, . . .	—
Evening Chronicle, . . .	Newspaper, . . .	6	3	—	—	Good, . . .	Post time-table, . . .	Complied.
W. C. Babcock, . . .	Paper boxes, . . .	1	5	—	—	Good, . . .	Post time-table, . . .	Complied.
J. O. Copland & Co., . . .	Jewelry, . . .	2	8	—	—	Good, . . .	None, . . .	—
B. B. Brady, . . .	Jewelry, . . .	16	4	—	—	Good, . . .	Post time-table and box up pulleys, . . .	Complied.
NEW BEDFORD.								
Wamsutta Manufacturing Co., . . .	Cotton cloth, . . .	1,176	930	—	131	Good, . . .	Railing in front of cranks on engines and box up mule-heads, . . .	Complied.
Onka Woollen Mill, . . .	Dress goods, . . .	85	90	—	6	Good, . . .	Box up pulleys and cover up gears, . . .	—
Bennett Manufacturing Co., . . .	Cotton yarns, . . .	300	200	—	64	Good, . . .	Box up mule-heads, . . .	Complied.
Howland Mills, . . .	Cotton yarns, . . .	390	280	—	41	Good, . . .	Box up mule-heads, . . .	Complied.
Grinnell Manufacturing Co., . . .	Fancy cotton goods, . . .	330	400	—	22	Good, . . .	Box up mule-heads, . . .	Complied.
Rotch Spinning Corporation, . . .	Hosiery yarns, . . .	125	33	—	12	Good, . . .	Railing in front of cranks on engine and box up mule-heads . . .	Complied.
Hathaway Mills, . . .	Cotton cloth, . . .	200	300	—	26	Good, . . .	Box up mule-heads and file one school certificate, . . .	Complied
Acushnet Mills, . . .	Cotton cloth, . . .	500	500	—	73	Good, . . .	Box up mule-heads, . . .	Complied.
Potomaska Mills, . . .	Cotton cloth, . . .	550	550	—	120	Good, . . .	Box up mule-heads, . . .	Complied.
City Manufacturing Co., . . .	Cotton yarns, . . .	250	300	—	72	Good, . . .	Remove set-screws, . . .	Complied.
Hathaway Shoe Manuf'g Co., . . .	Men's fine shoes, . . .	220	110	—	11	Good, . . .	File three school certificates, . . .	Complied.
New Bedford Manufacturing Co., . . .	Cotton yarns, . . .	225	175	—	40	Good, . . .	Box up mule-heads, . . .	Complied.

New Bedford Evening Journal, .	Newspaper, .	47	6	-	-	Good, .	Separate closets and designate the same.	Complied.
New Bedford Evening Standard, .	Newspaper, .	67	8	-	-	Good, .	Box up wheel on engine, .	Complied.
E. B. Tinkham, .	Ladies' fine shoes, .	25	15	-	-	Good, .	None, .	-
T. M. Denham, .	Men's white shirts, .	142	108	-	6	Good, .	None, .	-
J. C. Rhodes & Co., .	Shoe eyelets, .	23	12	-	7	Good, .	None, .	-
H. C. Fowler Manufacturing Co., .	Loom harness, .	10	10	-	3	Good, .	None, .	-
D. A. Snell, .	Fancy crackers, .	28	22	-	7	Good, .	None, .	-
Coffin Bros., .	Paper boxes, .	4	13	-	1	Good, .	-	-
Taber Art Co., .	Art publishers, .	225	50	-	5	Good, .	Box up pulleys, .	Complied.
Mount Washington Glass Works, .	Glass, .	343	37	-	25	Good, .	Keep doors unlocked, .	Complied.
Pierce & Bushnell, .	Art publishers, .	50	20	-	2	Good, .	None, .	-
Ullman Manufacturing Co., .	Picture frames, .	73	12	-	2	Good, .	None, .	-
Bay State Chair Co., .	Cane-seat chairs, .	38	2	-	4	Good, .	None, .	-
Smith Bros., .	Glass decorating, .	11	9	-	-	Good, .	None, .	-
Pairpoint Manufacturing Co., .	Silver-plated ware, .	446	84	-	4	Good, .	Box up pulleys and large belt, .	Complied.
City Steam Laundry, .	Steam laundry, .	8	12	-	-	Good, .	None, .	-
Weeden Toy Manufacturing Co., .	Toys, .	38	10	-	12	Good, .	None, .	-
Morse Twist Drill Co., .	Twist drills, .	250	30	-	-	Good, .	None, .	-
New Bedford Steam Laundry, .	Steam laundry, .	8	17	-	-	Good, .	None, .	-
Pierce Manuf'g Corporation, .	Cotton cloth, .	251	222	-	18	Good, .	Box up mule-heads and one pulley, .	Complied.
Columbia Spinning Co., .	Cotton yarns, .	61	46	-	15	Good, .	Post time-table and box up mule-heads, .	Complied.
G. W. Parson, .	Steam laundry, .	4	11	-	-	Good, .	Post time-table, .	Complied.
Haskell & Tripp, .	Dry goods, .	12	48	-	7	Good, .	Post time-table, .	Complied.
Moynan & Co., .	Dry goods, .	20	50	-	5	Good, .	Post time-table, .	Complied.
E. B. Whiting & Co., .	Dry goods, .	12	14	-	4	Good, .	Post time-table, .	Complied.
Bristol Manufacturing Co., .	Cotton cloth, .	200	300	-	27	Good, .	Seats for women and post time-table, .	Complied.
National Cordage Co., .	Cordage, .	255	45	-	5	Good, .	Railing in front of cranks on engines and remove set-screws. .	Complied.
William R. West, .	Top rollers, .	14	4	-	-	Good, .	Post time-table, .	Complied.

DISTRICT No. 6 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
WESTPORT.								
Westport Manufacturing Co.,	Twines and warps,	100	110	—	28	Good, .	None,	—
FAIRHAVEN.								
Atlas Tack Co.,	Tacks,	85	40	—	10	Good, .	None,	—
TAUNTON.								
Canoe River Mills,	Cotton yarns,	69	93	—	13	Good, .	None,	—
Elizabeth Pool Mills,	Cotton flannels,	53	133	—	14	Good, .	Cover up set-screws,	Complied.
Whittenton Manufacturing Co.,	Colored cotton cloth	550	600	—	83	Good, .	Repair and clean water-closets,	Complied.
Cohannet Mills,	Cotton yarns,	282	195	—	42	Good, .	Box up mule-heads and cover up set-screws,	Complied.
Morton Bros,	Steam laundry,	10	30	—	5	Good, .	None,	—
Taunton Gazette,	Newspaper,	15	10	—	3	Good, .	None,	—
C. A. Hack & Son,	Job printing,	15	20	—	5	Good, .	None,	—
Reed & Barton,	Silver-plated ware,	480	120	—	6	Good, .	Box up gears,	Complied.
D. D. White,	Men's shoes,	29	11	—	—	Good, .	None,	—
Eagle Mills,	Cotton cloth,	35	80	—	8	Fair, .	Provide seats for women,	Complied.
Hopwill Mill,	Cotton cloth,	79	35	—	12	Fair, .	None,	—
Charles Hewitt & Co.,	Men's and boys' shoes.	45	97	—	—	Good, .	Post time-table,	Complied.
A. L. Lincoln,	Twist drills,	26	2	—	—	Good, .	None,	—

West Silver Co.,	Silverware,	64	8	—	Good,	None,	—	Complied.
City Square Laundry,	Steam laundry,	2	11	—	Good,	Post time-table,	—	Complied.
H. L. Cushman,	Shoe bottoms,	15	15	—	Good,	None,	—	—
Dean Manufacturing Co.,	Tinware,	11	8	—	Good,	None,	—	—
Taunton Tack Co.,	Tacks,	31	31	—	Good,	None,	—	—
A. Fields & Son,	Tacks,	168	52	—	Good,	None,	—	—
M. M. Rhodes & Son,	Shoe buttons,	25	25	—	Good,	None,	—	—
Nemaskit Mills,	Cotton yarns,	167	68	—	Good,	Box up mule-heads,	—	Complied.
Canwills Steam Laundry,	Steam laundry,	4	5	—	Good,	Post time-table,	—	Complied.
John S. Sampson,	Job printing,	1	2	—	Good,	Post time-table,	—	Complied.
D. L. Merriam,	Dry goods,	7	5	—	Good,	Post time-table,	—	Complied.
Taunton Locomotive Manufacturing Co.	Machine shop,	250	—	—	Good,	Post time-table,	—	Complied.
Taunton Evening News,	Newspaper,	6	4	—	Good,	Post time-table,	—	Complied.
F. W. R. Emery,	Bookbinding,	2	2	—	Good,	Post time-table,	—	Complied.
Westville Mills,	Cotton yarns,	50	35	1	Good,	Cover up set-screws,	—	Complied.
Oakland Mills,	Fancy cotton cloth,	40	75	—	Good,	Provide seats for women,	—	Complied.
Joy's & Fabey,	Dry goods,	4	7	—	Good,	Post time-table,	—	Complied.
L. B. Higgins & Co.,	Dry goods,	4	8	—	Good,	Post time-table,	—	Complied.
Toole, Roche & Co.,	Silver-plated ware,	10	2	—	Good,	Post time-table,	—	Complied.
NORTON.								
A. A. Sweet,	Wooden boxes,	52	18	1	Good,	File three school certificates,	—	Complied.
Engley, Witherell & Co.,	Mfg of jewelry,	41	24	—	Good,	File three school certificates,	—	Complied.
W. A. Sturdy,	Mfg of jewelry,	5	2	—	Good,	Post time-table,	—	Complied.
MANSFIELD.								
Conway & Co.,	Felt and straw hats,	175	200	—	Good,	Repair doors on elevator,	—	Complied.
S. W. Card,	Taps and dies,	50	2	—	Good,	None,	—	—
D. S. Spaulding,	Jewelry,	65	20	—	Good,	File school certificate and post time-table.	—	Complied.

DISTRICT No. 6 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
MANSFIELD — <i>Concluded.</i>								
Rumsey Bros.,	Boots and shoes, .	89	77	—	2	Good, .	Box up shafting and clean and white-wash closets.	Complied.
Evans, Cobb & Co.,	Jewelry,	21	6	—	—	Good, .	Clean water-closets and whitewash the same.	Complied.
George McLauthlin & Co.,	Men's and boys' shoes.	6	6	—	—	Good, .	Post time-table,	Complied.
Mansfield News,	Newspaper,	4	2	—	—	Good, .	Post time-table,	Complied.
S. W. Cabot & Son,	Coffin trimmings, .	8	4	—	2	Good, .	None,	—
Chilson Furnace Co.,	Stoves and ranges, .	55	—	—	6	Good, .	None,	—
C. D. Lyons & Co.,	Jewelry,	15	10	—	5	Good, .	None,	—

*Report of Elevators Inspected.*DISTRICT No. 6. JOHN F. TIERNEY, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
North Easton.				
Rice & Hutchins,	1	Good,	None.	-
North Attleborough.				
Gold Medal Braid Co., . .	1	Good,	None.	-
Attleborough.				
Dodgville Mills,	2	Good,	None.	-
Hebronville Manufacturing Co., .	1	Good,	None.	-
Norton.				
A. A. Sweet,	1	Good,	None.	-
Mansfield.				
Comey & Co.,	2	Good,	Repair doors, . . .	Complied.
Rumsey Bros.,	1	Good,	None.	-
Westport.				
Westport Factory,	2	Good,	None.	-
Fall River.				
Pocasset Mills,	3	Good,	None.	-
Linen Mills,	4	Good,	None.	-
Union Cotton Manufacturing Co.,	5	Good,	None.	-
Crescent Mills,	1	Good,	None.	-
Durfee Mills,	5	Good,	None.	-
Stevens Manufacturing Co., . .	1	Good,	None.	-
Annawan Mill,	1	Good,	None.	-
Metacomet Mill,	1	Good,	None.	-
Davol Mill,	1	Good,	None.	-
Tecumseh Mills,	2	Good,	None.	-
Robinson Mills,	2	Good,	None.	-
Chase Mill,	3	Good,	None.	-
Richard Borden Manuf'g Co., .	3	Good,	None.	-
Laurel Lake Mills,	2	Good,	None.	-
Slade Mill,	2	Good,	None.	-
Flint Mills,	2	Good,	None.	-
Nichols Bros' Building, . . .	1	Good,	None.	-
King Philip Mills,	5	Good,	Provide automatic gates.	-
Osborn Mills,	4	Good,	None.	-
Troy C. & W. Manufacturing Co.,	2	Good,	Repair automatic gates, .	Complied.
Sagamore Manufacturing Co., .	2	Good,	None.	-
E. S. Brown & Co.,	1	Good,	None.	-
Fall River Iron Works Co., . .	3	Good,	None.	-
Globe Yarn Mills,	6	Good,	None.	-
Border City Manufacturing Co.,	4	Good,	None.	-
Mechanics Mills,	2	Good,	None.	-
Weetamoe Mills,	2	Good,	None.	-
Narragansett Mills,	2	Good,	None.	-
J. H. Estus & Son,	1	Good,	None.	-
Kerr Thread Co.,	1	Good,	None.	-
Fall River Bobbin & Shuttle Co.,	1	Good,	None.	-
American Printing Co., . . .	6	Good,	New automatic gates, .	Complied.
Edey's Woollen Mills,	2	Good,	None.	-
Massasoit Manufacturing Co., .	1	Good,	None.	-
Union Belt Co.,	1	Good,	Repair hatchways, . .	Complied.
Conanicut Mills,	1	Good,	None.	-
Fall River Laundry,	1	Good,	None.	-
Fall River Manufactory, . . .	1	Good,	Put in new elevator, .	Complied.
Sanford Spinning Co.,	1	Good,	None.	-
Fall River Bleachery,	3	Good,	None.	-
Seconnet Mills,	2	Good,	None.	-
Cornell Mills,	2	Good,	None.	-
Hargraves Mill, No. 7,	2	Good,	None.	-
Stafford Mills,	4	Good,	None.	-
Wampanoag Mills,	4	Good,	None.	-
Barnaby Mill,	1	Good,	None.	-

Report of Elevators Inspected — Concluded.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Fall River — Con.				
Barnard Mill,	1	Good,	None.	-
Hargraves Mill, No. 2,	1	Good,	None.	-
Merchants' Mills,	3	Good,	None.	-
Granite Mills,	3	Good,	None.	-
New Bedford.				
Wamsutta Mills,	10	Good,	None.	-
Bennett Mills,	2	Good,	None.	-
Rotch Spinning Co.,	2	Good,	None.	-
Howland Mills,	2	Good,	None.	-
Grinell Mills,	2	Good,	None.	-
Acushnet Mills,	4	Good,	None.	-
City Manufacturing Co.,	2	Good,	None.	-
Potomska Mills,	3	Good,	None.	-
New Bedford Manufacturing Co.,	2	Good,	None.	-
J. C. Rhodes & Co.,	2	Good,	None.	-
D. A. Snell Manufacturing Co., .	2	Good,	Repair safety device,	Complied.
Mount Washington Glass Works,	3	Good,	None.	-
Fairpoint Manufacturing Co., .	4	Good,	None.	-
Morse Twist Drill,	1	Good,	None.	-
Pierce Manuf'g Corporation, . .	2	Good,	None.	-
Columbia Mills,	1	Good,	None.	-
Moynan & Co.,	1	Good,	None.	-
Bristol Manufacturing Co., . . .	1	Good,	None.	-
National Cordage Co.,	2	Good,	None.	-
Hathaway Manufacturing Co., . .	1	Good,	None.	-
Fairhaven.				
Atlas Tack Co.,	2	Good,	None.	-
Tisbury, Vineyard Haven.				
Crocker Harness Co,	1	Good,	None	-
Taunton.				
Whitenton Manufacturing Co., . .	7	Good,	Repair gates on shaft,	Complied.
Elizabeth Pool Mills,	2	Good,	None.	-
Canoe River Mill,	1	Good,	None.	-
Cohannet Mills,	5	Good,	None.	-
Reed & Barton,	3	Good,	None.	-
Eagle Mill,	1	Good,	None.	-
Hopwill Mill,	2	Fair,	Put in new elevator, .	-*
H. L. Cushman,	2	Good,	None.	-
Nemasket Mills,	1	Good,	None.	-
A. Fields & Son,	4	Good,	None.	-
Taunton Tack Co.,	2	Good,	None.	-
Oakland Mill,	1	Good,	None.	-
Westville Mill,	1	Good,	None.	-
Somerset.				
Somerset Manufacturing Co., . . .	1	Good,	None.	-
Orleans.				
Snow's Clothing Manuf'g Co., . .	1	Good,	Put on automatic gates, .	Complied.
Sandwich.				
Cape Cod Decorating Co.,	2	Good,	Railing and automatic gates.	Complied.
North Dighton.				
Mount Hope Mill,	1	Good,	None.	-

* Going to build new mill.

REPORT OF INSPECTOR KNIGHT.

In connection with my tabulated statement, I have the honor to submit the following report relating to the laws entrusted to me to enforce in District No. 7, which comprises Hampden and Hampshire counties:—

Chapter 348, Acts of 1888, "An Act in relation to the employment of children under sixteen years of age in factories, workshops and mercantile establishments," I am pleased to report, is complied with in a very satisfactory manner in this district. I have found but very few such children employed during the past year in violation of this statute. When such children were found without the proper schooling certificate, the responsible parties were notified, and the certificates were procured at once and placed on file.

In no instance during the past year have I found a child under thirteen years of age employed in any factory, workshop or mercantile establishment. The number of children under fourteen years of age employed in each establishment is certainly being steadily reduced each year, and older children employed to replace them, and, I am told by many employers, with much better results.

In regard to the enforcement of the laws relating to the sanitation and ventilation in factories and workshops, I find a willingness on the part of the manufacturer or those having the care of the building to comply with all reasonable demands of the inspector in this respect, and it gives me pleasure to be able to report that during the past year very much improvement has been made in a number of large manufacturing establishments in this direction. Additional closets have been put in where required; old, dilapidated and unventilated closets have been replaced by modern and well-ventilated ones, and in some instances the ventilation is by an exhaust fan, which of course does its work much better than it can possibly be done in any other manner. In fact, since this law was inaugurated and enforced, there has been a decided increase of interest shown in this very important matter by all persons having such establishments under their control or management. They plainly see the good effect upon all parties concerned, and there is no doubt in my mind that in the near future it will be hard to find in this district a factory or workshop without the best sanitary appliances. I find in many cases that there is a great difficulty in always keeping the closets in that condition of cleanliness that they should be in, owing in a measure, perhaps, to the

indifference of the operatives, and it requires the constant watchfulness of the overseers to see that they are kept in proper condition.

Sections 13 and 14 of chapter 104 of the Public Statutes, the law relating to the protection of the operatives in our factories and workshops against accident from unguarded machinery and elevators, has been given no little attention this year. A careful inspection has been made of the elevators in this district to ascertain if the hoisting ropes and hoisting machinery were in good working order. Very many of them have been tested to ascertain if the safety devices would hold in the event of accident to the hoisting ropes and hoisting machinery, and where any parts were found defective in any manner orders have been given to remedy such, and in every case such notices have been promptly complied with. The openings to the elevator wells, as a rule, were found protected, as required by law.

Machinery, such as belting, gearing, and set-screws near pulleys, or where the operatives are liable to come in contact with it, is especially dangerous, and requires no little attention on the part of the inspector. In order to be sure that everything has been guarded as far as it is possible against the possibility of accident, many places are found which at first it would seem to be unnecessary to protect; subsequently, it was found to be quite necessary to do so. And in all cases where notices have been given for better protection of the operatives against accident, it has been cheerfully complied with.

Chapter 433, Acts of 1888, "An Act relating to the employment of minors, fourteen years of age or over, who cannot read and write in the English language," has been rigidly enforced in the cities and towns wherein evening schools are maintained in this district. This law, in my judgment, is proving itself very beneficent to all who avail themselves of its provisions, and I also believe it is appreciated by the employers as well. A thorough canvass of the factories has been made to ascertain the number of illiterates who come under the law, and as a result all such have been given to understand by their employers if they are not regular attendants at the evening schools they must expect to receive a discharge from the establishment. As a result, very few complaints are received of wilful absentees.

The so-called "fifty-eight-hour law," regulating the hours of labor for women and children in manufactory establishments, is working satisfactorily in this district, and I have no knowledge of any violations of it during the year. In fact, owing to the dull times for the last few months, a large number of manufacturing

concerns have been running on short time, while others have been obliged to shut down entirely a number of weeks at a time.

There is a general compliance with that part of the law requiring legal notices to be posted in every room where women and minors under eighteen years of age are employed, giving the time-table for each day of the week.

The act in regard to bolting or locking doors in buildings wherein operatives are employed, so as to prevent free egress in case of fire during the hours of labor, is generally complied with in this district. I have found but one case during the past year where it was violated. The usual five-days notice was sent, and it was promptly complied with.

Agreeably to your instructions, I have devoted considerable time to the inspection of hotels, public buildings, lodging-houses, etc., the results of which will appear in the reports sent you.

JOHN L. KNIGHT, *Inspector.*

DISTRICT No. 7,

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
SPRINGFIELD.									
A. N. Mayo,	Paper stock, .	10	26	—	—	Fair, .	Repair elevator gates; provide additional water-closets for females; post legal notices.	Complied.	
Agawam Manufacturing Co.,	Knit underwear, .	65	195	—	4	Fair, .	None,	—	
A. F. Ball,	Harnesses, . . .	4	2	—	—	Good, .	None,	—	
A. M. Butterfield, . . .	Ladies' dresses, .	1	18	—	—	Good, .	Post legal notices,	Complied.	
A. H. Goetting,	Music goods, . .	6	3	—	—	Good, .	None,	—	
Birnie Paper Co.,	Papeteries, . . .	19	24	—	3	Good, .	None,	—	
Bemis & Call,	Machine tools, .	50	—	—	1	Good, .	None,	—	
Bay State Corset Co., . .	Corsets,	40	280	—	12	Good, .	Post legal notices,	Complied.	
Biglow & Co.,	Lithographing, .	4	—	—	1	Fair, .	File certificate for minor,	Complied.	
Bemis Car-box Co., . . .	Car-boxes, . . .	48	—	—	—	Fair, .	Opening to elevator wells to be protected.	Complied.	
A. N. Mayo & Co., . . .	Paper stock, .	6	10	—	—	Fair, .	Repair gates to elevator; post time-tables; mark closets in new building.	Complied.	
Barret & Leonard,	Printing,	8	—	—	—	Fair, .	None,	—	
B. F. Peet,	Bicycle saddles, .	4	2	—	—	Good, .	None,	—	
Bay State Plating Co., . .	Nickel-plating, .	3	—	—	—	Fair, .	None,	—	
Barney & Berry Skate Co.,	Skates,	115	—	—	—	Good, .	None,	—	
Blake Manufacturing Co., .	Metal goods, . .	39	13	—	1	Fair, .	Post legal notices in one room, . .	Complied.	
B. J. Adams,	Machinery, . . .	3	—	—	—	Fair, .	None,	—	

Bouton & Hayes, . . .	Files, . . .	6	—	—	Fair, .	None, .	. . .	. . .	—
Bullard & Jones Tool Co., .	Machine tools, .	4	—	—	Fair, .	None, .	. . .	. . .	—
Charles R. Kaplinger, . .	Printing and book-binding	10	3	—	Fair, .	None, .	. . .	. . .	—
Cutler & West, . . .	Cigar boxes, .	12	—	1	Fair, .	None, .	. . .	. . .	—
Church & Richards, . .	Cotton warp, .	9	4	—	Fair, .	None, .	. . .	. . .	—
Charles C. Marshall, . .	Wood-turning, .	3	—	—	Fair, .	None, .	. . .	. . .	—
Charles Van Vlack, . .	Electrotyping, .	5	—	—	Good, .	None, .	. . .	. . .	—
Clark W. Bryan & Co., .	Printing and book-binding	61	9	—	Good, .	None, .	. . .	. . .	—
C. W. Mutell Manuf'g Co., .	Society goods, .	—	9	—	Good, .	None, .	. . .	. . .	—
Century Manufacturing Co.,	Butchers' frocks, .	2	18	—	Fair, .	None, .	. . .	. . .	—
Crescent Manufacturing Co.,	Casket hardware, .	26	6	—	Good, .	None, .	. . .	. . .	—
C. W. Richards, . . .	Sash and blinds, .	4	—	—	Fair, .	None, .	. . .	. . .	—
Cyrus W. Atwood, . .	Printing, . . .	6	—	—	Good, .	None, .	. . .	. . .	—
Chadwick Copying Book Co.,	Copying books, .	4	4	—	Fair, .	None, .	. . .	. . .	—
Cashin Paper Co., . . .	Glazed paper, .	8	—	—	Fair, .	Guard set-screws in collars on shafting.	. . .	. . .	Complied.
C. C. Lewis, . . .	Wagon-makers' supplies	14	—	—	Fair, .	Repair the gates to the openings to the elevator wells.	. . .	. . .	Complied.
C. C. Taylor & Son, . .	Paper boxes, . .	2	5	—	Good, .	Post legal notices, . . .	. . .	. . .	Complied.
Cheney Biglow Wire Works,	Dandy rolls, . .	58	18	—	Good, .	Designate water-closets for females; repair door to the elevator on first floor.	. . .	. . .	Complied.
C. B. Wells & Co., . .	Printing, . . .	6	—	—	Good, .	None, .	. . .	. . .	Complied.
Chapman Valve Manuf'g Co.,	Hydrants, etc., .	283	4	—	Good, .	Guard cranks to the engines, . .	. . .	. . .	Complied.
Chadburn & Morse, . .	Cotton tape, . .	5	27	—	Fair, .	File certificate for one minor, .	. . .	. . .	Complied.
Dickinson Hard Rubber Co.,	Buttons, . . .	35	40	—	Fair, .	Keep outside doors unlocked during hours of labor.	. . .	. . .	Complied.
Day, Jobson & Co., . .	Sashes and blinds, .	15	—	—	Fair, .	None, .	. . .	. . .	—
Daniel Schoonmaker, . .	Silver-plating, .	2	—	—	Good, .	Repair gates to the elevator openings,	. . .	. . .	Complied.

DISTRICT NO. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14. 14 to 16.			
SPRINGFIELD — Continued.							
Davis Electric Works, . . .	Electric lamps, . . .	10	35	—	Good, . . .	Post legal notices, . . .	Complied.
Denison & Denison, . . .	Machinery, . . .	3	—	—	Fair, . . .	None, . . .	—
E. Stebbins Manufacturing Co., . .	Brass goods, . . .	107	—	—	Good, . . .	None, . . .	—
Excelsior Steam Laundry, . . .	Laundry, . . .	5	10	—	Good, . . .	None, . . .	—
E. S. Stacy, . . .	Machinery, . . .	6	—	—	Fair, . . .	None, . . .	—
Electric Laundry, . . .	Laundry, . . .	2	1	—	Good, . . .	None, . . .	—
Fisk Manufacturing Co., . . .	Soap, . . .	22	2	—	Fair, . . .	None, . . .	—
Felix Barelle, . . .	Harnesses, . . .	4	2	—	Fair, . . .	None, . . .	—
Frank Elmer, . . .	Paper stock, . . .	1	3	—	Fair, . . .	Post legal notices, . . .	Complied.
F. K. Williams, . . .	Printing, . . .	4	—	—	Good, . . .	File certificate for one minor, . .	Complied.
George A. Nye, . . .	Machine screws, . .	10	—	—	Fair, . . .	None, . . .	—
Holyoke Paper & Card Co., . . .	Glazed paper, . . .	70	24	—	Fair, . . .	None, . . .	—
Henry W. Pearl, . . .	Paper stock, . . .	2	14	—	Fair, . . .	None, . . .	—
George A. Shastery, . . .	Cabinet and wood-work, . . .	69	—	—	Good, . . .	None, . . .	—
Hamp. Corundum Wheel Co, . . .	Emery wheels, . . .	9	—	—	Fair, . . .	Guard openings to the elevator well, .	Complied.
Hawes Hat and Bonnet Bleachery, .	Hat bleachery, . . .	3	1	—	Good, . . .	None, . . .	—
Hutchins Narrow Fabric Co., . . .	Cotton tape, . . .	4	7	—	Fair, . . .	Post legal notices; better sanitary arrangements, . . .	Complied.
J. & H. Duckworth, . . .	Sewing machine parts, . . .	15	—	—	Good, . . .	None, . . .	—
J. S. Carr & Co., . . .	Crackers, etc., . . .	20	—	1	Good, . . .	None, . . .	—

Joseph Whitecomb & Co.,	Cigars, . . .	65	—	3	Good, .	None, .	. . .	. . .	—
J. C. Lutz, . . .	Lithographing, .	13	—	—	Good, .	None, .	. . .	. . .	—
John Doolan, . .	Paper stock, . .	5	14	—	Fair, .	Post legal notices, .	. . .	. . .	*
John C. Otto, . .	Printing, . . .	8	4	—	Good, .	None, .	. . .	. . .	—
Journal Printing Co., .	Printing, . . .	6	2	1	Good, .	None, .	. . .	. . .	—
John W. Russell, . .	Machinery, . . .	17	—	—	Fair, .	None, .	. . .	. . .	—
J. K. Dexter & Co., .	Paper stock, . .	6	18	—	Fair, .	None, .	. . .	. . .	—
J. W. Sture & Son, .	Organs, . . .	29	1	—	Good, .	Provide railing to the fly-wheel of engine, .	. . .	. . .	Complied.
J. H. Bordeaux, . .	Printing, . . .	4	2	—	Good, .	Post legal notices; designate water-closets, .	. . .	. . .	Complied.
Kibbe Bros., . . .	Confectionery, .	50	20	4	Good, .	None, .	. . .	. . .	—
L. W. Brown & Co., .	Paper boxes, . .	10	44	—	Good, .	None, .	. . .	. . .	—
Lockwood Cutlery Co., .	Cutlery and pocket knives, . . .	8	—	2	Fair, .	Post legal notices in work-room, .	. . .	. . .	Complied.
Morgan Envelope Co., .	Envelopes, . . .	93	43	2	Good, .	New cable to elevator, .	. . .	. . .	—
Milton Bradley & Co., .	Lithographing, .	95	25	2	Good, .	None, .	. . .	. . .	—
Meddlecott, Morgan Co., .	Knit goods, . . .	17	85	3	Good, .	None, .	. . .	. . .	—
Merritt M'g Co., . .	Type-writers, . .	40	21	1	—†	None, .	. . .	. . .	—
Martin Cash-Carrier Co., .	Cash-carriers, . .	10	—	—	Good, .	None, .	. . .	. . .	—
Margerum Bros., . .	Cigars, . . .	9	7	—	Good, .	None, .	. . .	. . .	—
Metallic Drawing Roll Co., .	Drawing rolls, . .	85	1	—	Good, .	None, .	. . .	. . .	—
M. H. Barnett, . . .	Cigars, . . .	34	16	—	Good, .	None, .	. . .	. . .	—
Metropolitan Furniture Co., .	Furniture, . . .	20	—	—	Good, .	Repair gates to elevator openings, .	. . .	. . .	Complied.
National Needle Co., . .	Needles, . . .	145	45	19	—†	None, .	. . .	. . .	—
National Papeterie Co., .	Papeteries, . . .	50	90	4	Good, .	None, .	. . .	. . .	—
N. E. Card & Paper Co., .	Glazed paper, . .	25	5	—	Good, .	None, .	. . .	. . .	—
N. W. Merrill, . . .	Paper boxes, . . .	2	6	—	Good, .	None, .	. . .	. . .	—

* Out of business.

† Not good.

‡ Excellent.

DISTRICT NO. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
SPRINGFIELD — Continued.							
Newell Brothers Manuf'g Co.,	Buttons,	225	270	42	Fair,	Post legal notices,	Complied.
Novelty Manufacturing Co.,	Shade holders,	3	—	—	Fair,	None,	—
O. W. Bullock,	Jewelers' tools,	20	1	2	Fair,	File certificate for two minors,	Complied.
Oroco Bag Co.,	Feed bags,	2	4	—	Good,	None,	—
P. P. Kellogg & Co.,	Envelopes,	19	56	4	Fair,	None,	—
Parenteau & Son,	Woodwork,	4	—	—	Fair,	None,	—
P. P. Emery & Co.,	Coppersmith,	40	1	—	Good,	Protect elevator openings by self-closing hatches or gates,	Complied.
P. Colby Manufacturing Co.,	Paper rulers,	11	2	—	Fair,	Post legal notices,	Complied.
Phelps Publishing Co.,	Publishers,	75	42	1	Good,	Provide new wire cable to elevator,	Complied.
P. R. Wagon & Co.,	Lamp shades and holders,	1	9	—	Good,	Post legal notices in work-room,	Complied.
R. H. Smith,	Rubber type,	20	4	—	Fair,	None,	—
Rafter, Riply & Co.,	Printing,	10	—	—	Good,	Repair hatches to the elevator openings,	Complied.
Springfield Braid Co.,	Silk and mohair braid.	2	1	—	—*	None,	—
Springfield Printing & Binding Co.	Printing and binding.	40	35	1	Good,	None,	—
Smith & Lesquarx,	Spectacles,	4	1	—	Good,	None,	—
Shea Bros.,	Coating paper,	7	—	1	Fair,	Post legal notices in work-room,	Complied.
S. B. Burgess,	Paper boxes,	2	13	2	Fair,	None,	—

Springfield Foundry Co.,	Elevators, etc.,	55	—	—	Fair,	None,	.	.	.	—
Springfield Brewing Co.,	Lager beer,	64	—	—	Good,	None,	.	.	.	—
Springfield Brass Co.,	Brass goods,	40	—	—	Fair,	None,	.	.	.	—
Springfield Steam Laundry,	Laundry,	2	2	—	Fair,	None,	.	.	.	—
Springfield Envelope Co.,	Envelopes,	25	50	3	Good,	None,	.	.	.	—
S. F. Merritt,	Gold chains,	5	18	—	Fair,	None,	.	.	.	—
Springfield File Works,	Files,	3	—	—	Good,	None,	.	.	.	—
Springfield Specialty Manuf'g Co.,	Shoe lacings,	5	1	—	Good,	None,	.	.	.	—
Springfield Knitting Co.,	Knit underwear,	12	18	—	Good,	Post legal notices in work-room,	.	.	.	Complied.
Springfield Publishing Co.,	Printing and publishing,	9	21	—	Fair,	Post legal notices in work-room,	.	.	.	Complied.
Springfield Knitting Co.,	Knit underwear,	10	38	—	Good,	New cable to elevator to be furnished,	.	.	.	Complied.
Standard Thread Co.,	Thread,	8	32	—	Good,	None,	.	.	.	—
Springfield Photo-Engraving Co.,	Engraving,	6	—	—	Good,	None,	.	.	.	—
Springfield Tribune Co.,	Publishing and printing,	4	—	—	Good,	None,	.	.	.	—
Tucker & Cook Manuf'g Co.,	Cotton yarn,	1	14	—	Good,	None,	.	.	.	—
The Graphic Publishing Co.,	Publishing and printing,	9	—	—	Good,	None,	.	.	.	—
The Indian Orchard Co.,	Cotton warp,	34	111	17	—†	Better sanitary arrangements,	.	.	.	Complied.
Troy Steam Laundry,	Laundry,	24	15	—	—†	Better sanitary arrangements; provide exhaust fan in work-room.	.	.	.	Complied.
The Electrone Manuf'g Co.,	Electric motors,	80	1	—	Fair,	None,	.	.	.	—
Taylor, Nichols & Co.,	Papeteries,	23	52	3	Good,	None,	.	.	.	—
Taylor & Hubbard,	Mohair braid,	1	—	—	Good,	None,	.	.	.	—
U. S. Spring Bed Co.,	Spring beds,	14	—	—	Fair,	Post legal notices in work-room,	.	.	.	Complied.
Union News-paper Co.,	Publishing,	62	7	—	Good,	None,	.	.	.	—
Union Regorling Co.,	Regorling shoes,	2	2	—	Good,	Post legal notices in work-room,	.	.	.	Complied.
William H. Wright,	Cigars,	30	10	—	Fair,	None,	.	.	.	—

* Excellent.

† Not good.

DISTRICT No. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14. 14 to 16.			
SPRINGFIELD — <i>Concluded.</i>							
William Fernald, . . .	Wood turning, . . .	2	—	—	Fair, . . .	None, . . .	—
William Stimpson, . . .	Cigars, . . .	10	6	—	Fair, . . .	None, . . .	—
Whitmore Halter Co., . . .	Halters, . . .	3	—	—	Fair, . . .	None, . . .	—
Walham Watch Tool Co., . . .	Watch tools, . . .	16	1	—	Good, . . .	None, . . .	—
Wilkinson's Block, . . .	Offices, etc, . . .	—	—	—	—	Protect elevator openings by self-closing hatches or gates.	Complied.
Westfield Cigar Co., . . .	Cigars, . . .	37	13	—	Good, . . .	None, . . .	—
HOLYOKE.							
American Pad and Paper Co., . . .	Paper blocks, . . .	15	24	—	Good, . . .	None, . . .	—
Albion Paper Co., . . .	Book paper, . . .	152	66	—	Good, . . .	None, . . .	—
Beebe & Holbroke, . . .	Loft dried paper, . . .	71	103	—	Fair, . . .	Provide additional water-closet for females in rag-room; guard set-screws in shafting.	Complied.
Beebe, Webber & Co., . . .	Woollen goods, . . .	75	34	—	Fair, . . .	Set-screws made flush with collar, or otherwise securely guarded.	Complied.
B. F. Nichols & Co., . . .	Belting, . . .	11	—	—	Good, . . .	Post legal notices in work-room, . . .	Complied.
Brown & Sellars, . . .	Ferdinere wire, . . .	17	2	—	Good, . . .	None, . . .	—
Buchanan, Bolt & Co., . . .	Wire cloth, . . .	41	8	—	Fair, . . .	None, . . .	—
Brown, Knapp & Co., . . .	Paper boxes, . . .	1	12	—	Fair, . . .	Post legal notices, . . .	Complied.
Connecticut River Paper Co., . . .	Writing paper, . . .	58	74	—	Good, . . .	Guard Kneeland paper-cutter by a sheet-iron covering or better appliance.	Complied.

DISTRICT NO. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.			14 to 16.				
		Males.	Females.						
HOLYOKE — Continued.									
Holyoke Envelope Co.,	Envelopes,	76	154	—	6	Fair,	None,	—	
Henry Seymour Cutlery Co.,	Cutlery,	60	—	—	—	Fair,	None,	—	
Holyoke Warp Co.,	Cotton warp,	63	64	1	22	Fair,	Post legal notices,	Complied.	
Holyoke Lithograph Co.,	Lithographing,	4	—	—	—	Fair,	None,	—	
Holyoke Printing Co.,	Printing,	4	—	—	1	Fair,	Post legal notices,	Complied.	
Holyoke Machine Co.,	Machinery,	272	1	—	2	Fair,	None,	—	
Holyoke Bar Co.,	Machine knives,	6	—	—	—	Fair,	Guard set-screws on shafting,	—	
Hadley Thread Co.,	Thread,	159	464	—	54	Good,	None,	—	
Holyoke Paper Co.,	Loft-dried paper,	93	123	—	—	Fair,	Guard gears to Kneeland paper-cutter,	Complied.	
Hampden Glazed Paper and Card Co.	Cardboard,	55	12	—	—	Fair,	New cable to the elevator in old part; sanitary.	—	
Holyoke Electric Light Co.,	Electric light,	7	—	—	—	Good,	Guard belt to fly-wheel on No. 2 engine, running near floor in basement.	Complied.	
Holyoke Free Press,	Publishing,	6	1	—	—	Good,	Post legal notices in work-room,	Complied.	
H. C. Cady Printing Co.,	Printing,	8	—	—	1	Good,	None,	—	
J. F. T. MacDonald,	Paper finishing,	4	10	—	3	Fair,	None,	—	
Lyman Mills,	Cotton goods,	355	710	—	121	Fair,	Two closets in spinning-room to be marked; post legal notices.	Complied.	
Lyman Mills,	Cotton goods,	346	710	8	101	Good,	Designate water-closets in Nos. 2 and 3 mills.	—	

Linden Paper Co.,	Fine writing paper,	96	126	—	Good,	None,	•	•	•	•	—
Merrick Thread Co., No. 1,	Cotton thread,	283	571	3	Good,	None,	•	•	•	•	—
Merrick Thread Co., No. 2,	•	189	331	3	Good,	None,	•	•	•	•	—
Merrick Thread Co., No. 3,	•	16	4	—	Good,	None,	•	•	•	•	—
MacCullen, Constable & Co.,	Hosiery,	63	—	—	Fair,	Guard set-screws on shafting in basement.	•	•	•	•	Complied.
Newton Paper Co.,	Paper,	•	•	—	•	•	•	•	•	•	Complied.
Nonotuck Paper Co.,	Book paper,	•	240	—	Fair,	Provide exhaust fan in the rag-room of No. 1 mill.	•	•	•	•	Complied.
National Blank Book Co.,	Blank books,	•	130	—	Fair,	Water-closets kept clean,	•	•	•	•	Complied.
Norman Paper and Card Co.,	Writing paper,	100	45	—	—*	None,	•	•	•	•	—
Parsons Paper Co., No. 1,	Loft-dried paper,	99	110	—	Good,	None,	•	•	•	•	—
Parsons Paper Co., Mt. Tom Mill,	Bond and ledger paper,	63	27	—	Good,	None,	•	•	•	•	—
Parsons Paper Co., No. 2,	Ledger paper,	77	143	—	—*	Designate water-closets,	•	•	•	•	Complied.
Powers Paper Co.,	Paper,	14	40	—	Good,	None,	•	•	•	•	—
Riverside Paper Co.,	Writing paper,	65	110	—	Good,	None,	•	•	•	•	—
Springfield Blanket Co.,	Horse blankets,	308	180	—	—†	None,	•	•	•	•	—
Smith & White,	Paper ruling,	9	26	—	—*	None,	•	•	•	•	—
Tuttle Rubber Co.,	Rubber goods,	54	—	—	Fair,	None,	•	•	•	•	—
T. Keagen Sons,	Steam heating,	30	—	—	Fair,	None,	•	•	•	•	—
Valley Paper Co.,	Writing paper,	58	105	—	—†	Guard gears on Kneeland paper-cutter; provide additional water-closets in rag-room for females; repair gates to openings of the rag-room elevator well.	•	•	•	•	Complied.
Wauregan Paper Co.,	Loft-dried paper,	57	26	—	Good,	None,	•	•	•	•	—
Whiting Paper Co., No. 1,	Paper,	69	137	—	Good,	None,	•	•	•	•	—
Whiting Paper Co., No. 2,	Loft-dried paper,	100	140	—	—*	None,	•	•	•	•	—

* Excellent.

† Not good.

District No. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
HOLYOKE — <i>Concluded.</i>								
William Skinner & Son, . . .	Silk goods, . . .	188	278	2	56	Good, . . .	Designate water-closets, . . .	Complied.
W. H. Jacobs, . . .	Laundry, . . .	2	6	—	—	Fair, . . .	None, . . .	—
W. P. Griswold, . . .	Confectionery, . . .	13	4	—	—	Good, . . .	None, . . .	—
Keating Wheel Co., . . .	Bicycles, . . .	174	1	—	7	Good, . . .	Certificates for minors kept on file, . .	Complied.
Holyoke Lead Pipe Co., . . .	Lead pipe, . . .	15	—	—	—	Good, . . .	None, . . .	—
Chase & Coolidge, . . .	Mill supplies, . . .	10	—	—	—	Fair, . . .	Repair gates to the elevator openings; to be kept closed when not in use; remove obstruction from stairway.	Complied.
Holyoke Pad and Ruling Co., . . .	Ruling and paper pads, . . .	3	2	—	—	Fair, . . .	Post legal notices in work-room, . .	Complied.
WESTFIELD.								
A. C. Ensign Box Co., . . .	Cigar boxes, . . .	8	12	—	—	Good, . . .	Set-screws on shafting to be made flush with collars or securely guarded; post legal notices.	Complied.
American Brass and Rivet Co., . . .	Whips and brass rivets, . . .	28	7	—	3	Fair, . . .	None, . . .	—
American Whip Co., . . .	Whips, . . .	92	61	—	4	Good, . . .	None, . . .	—
A. C. Barnes Whip Co., . . .	Whips, . . .	3	1	—	—	Good, . . .	None, . . .	—
American Cigar Co., . . .	Cigars, . . .	40	60	—	—	Good, . . .	Post legal notices, . . .	Complied.
Cargell, Cook & Co., . . .	Whips, . . .	12	3	—	—	Fair, . . .	Post legal notices, . . .	Complied.
Clarke & Parker, . . .	Whips, . . .	2	2	—	—	Good, . . .	None, . . .	—

Crane's Glen Mill,	14	—	—	Good,	None,	Post legal notices in rag-room,	—
Crane's Japanese Paper Mill,	44	81	—	Good,	Post legal notices in rag-room,	Complied.	—
W. L. Belding & Co.,	3	2	—	Fair,	None,	—	—
Bay State Whip Co.,	8	6	—	Good,	None,	—	—
Edmund Cooper,	2	1	—	Fair,	None,	—	—
Eastern Cigar Co.,	5	17	—	Fair,	None,	—	—
Edgar Bryant Box Co.,	7	5	—	Good,	Box main belt; designate water-closets,	Complied.	—
American Casket Hardware Co.,	21	3	—	Fair,	Gates to the elevator opening to be repaired and kept closed when not in actual use,	Complied.	—
Foster Machine Co.,	75	—	—	Good,	None,	—	—
George E. Whipple,	13	—	1	Fair,	None,	—	—
Hampden Toy Co.,	2	—	—	Good,	None,	—	—
John Schmidt & Co.,	18	5	—	Good,	None,	—	—
J. E. Messick,	8	2	—	Good,	None,	—	—
J. W. Ellis,	2	1	—	Fair,	None,	—	—
L. H. Beals & Son,	13	10	—	Good,	Post legal notices in work-room,	Complied.	—
Lay Whip Co.,	28	10	—	Good,	None,	—	—
Massasoit Whip Co.,	33	7	—	Good,	None,	—	—
Peck & Whipple,	14	3	1	Fair,	Repair gates to the opening of the elevator well,	Complied.	—
Pomery & Van Dusen,	37	12	1	Good,	None,	—	—
Read & Samuels,	11	4	—	Fair,	None,	—	—
Sanford Whip Co.,	73	12	—	Good,	None,	—	—
Springdale Paper Co.,	69	36	—	Fair,	None,	—	—
Standard Whip Co.,	10	4	—	Fair,	None,	—	—
Stiemer & Moore,	8	6	—	Good,	None,	—	—
Textile Manufacturing Co.,	44	10	—	Fair,	None,	—	—
The H. B. Smith Co., No. 1,	150	—	2	Fair,	File certificates,	Complied.	—
The H. B. Smith Co., No. 2,	200	—	—	Fair,	None,	—	—

DISTRICT NO. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Under 14.			14 to 16.				
		Males.	Females.						
WESTFIELD — Concluded.									
Town & Fuller, . . .	Cigars, . . .	21	61	—	Good, .	None,	—	
Taylor & Beckman, . . .	Tobacco sorters, . .	12	—	—	Fair, .	None,	—	
Virrifed Wheel Co., . . .	Emery and corundum wheels.	15	—	—	Good, .	None,	—	
Westfield Cigar Co., . . .	Cigars, . . .	39	11	—	Good, .	Post legal notices in work-room, .	. . .	Complied.
William H. Owen, . . .	Whips and lashes, .	10	3	—	Fair, .	None,	—	
William Warren Thread Co., .	Whip thread, . . .	25	30	—	Fair, .	None,	—	
NORTHAMPTON.									
A. Kinsbury & Son, . . .	Paper boxes, . . .	10	45	—	Good, .	None,	—	
Belding Bros., . . .	Silk goods, . . .	322	201	—	*—	None,	—	
Belding Bros., . . .	Silk goods, . . .	145	305	—	*—	None,	—	
Bryant Bros., . . .	Printing, . . .	6	3	—	Good, .	Designate water-closets, . . .	. . .	Complied.
Bay State Printing Co., . . .	Publishing and printing.	10	6	—	Fair, .	None,	—	
Clement Manufacturing Co., .	Cutlery, . . .	91	—	—	Good, .	Post legal notices in work-room, .	. . .	Complied.
E. E. Wood Cutlery Co., . . .	Cutlery, . . .	96	4	—	Fair, .	Post legal notices in work-room, .	. . .	Complied.
Florence Manufacturing Co., .	Brushes, mirrors, etc.	62	47	—	Good, .	Guard gearing on rolls, . . .	. . .	Complied.
Florence Furnishing Co., . . .	Caskets, . . .	20	2	—	Fair, .	None,	—	
Hutchins Narrow Fabric Co., .	Bindings, . . .	5	25	—	Fair, .	Post legal notices in work-room, .	. . .	Complied.
Horace Lamb, . . .	Wire, . . .	15	—	—	Good, .	None,	—	

DISTRICT No. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
EASTHAMPTON — Concluded.									
Williston & Knight Co.,	Buttons,	15	85	—	—	Good,	None,	—	
Williston & Knight Co. (ivory department).	Ivory buttons,	77	88	—	6	Good,	None,	—	
CHICOPEE.									
A. W. Page,	Knitting machine needles.	24	16	—	7	Good,	None,	—	
Ames Sword Co.,	Swords and locks,	58	4	—	2	Good,	None,	—	
Ames Manufacturing Co.,	Machinery and tools.	240	1	—	1	Fair,	Guard set-screws in collars on shafting; provide exhaust fan to remove dust from polishing-room; provide certificate for minor; post legal notices.	Complied.	
Belcher & Taylor,	Agricultural tools,	88	—	—	—	Good,	None,	—	
Chicopee Manufacturing Co.,	Cotton goods,	455	663	—	70	Good,	None,	—	
Chicopee Manufacturing Co.,	Cotton goods,	455	663	20	80	—*	File certificates for three minors; better sanitary condition in mill No. 2.	Complied.	
Chicopee Reed Co.,	Reeds,	4	—	—	—	Fair,	None,	—	
Chicopee Falls Knitting Co.,	Hosiery and gloves,	3	—	—	—	Fair,	None,	—	
Dwight Manufacturing Co.,	Cotton goods,	665	964	—	110	Fair,	Provide new cables to the elevators in Nos. 1 and 2 mills.	Complied.	

DISTRICT No. 7 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.	
		Males.	Females.	Under 14.	14 to 16.				
				—	—				
MONSON — <i>Concluded.</i>									
R. M. Reynolds,	Straw goods,	41	19	—	—	Good,	—	
R. M. & T. Reynolds (old mill), . .	Woollen goods,	46	30	—	4	Fair,	—	
R. M. & T. Reynolds (north mill), . .	Woollen goods,	28	46	—	1	Bad,	Guard set-screws in collars near pulleys or hangers, or make flush with collars	Complied.	
F. S. Cushman, No. 1,	Cassimeres,	55	45	—	4	Good,	—	
F. S. Cushman, No. 2,	Cassimeres,	28	16	—	4	Good,	—	
RUSSELL.									
Blandford Brick and Tile Co.,	Brick,	33	—	—	—	Fair,	—	
Chapin & Gould,	Loft-dried paper,	57	38	—	3	Good,	—	
Fairfield Paper Co.,	Fine writing paper,	39	51	—	1	Good,	—	
AMHERST.									
A. R. Cushman,	Button board,	9	—	—	—	Fair,	Guard openings to the elevator well,	Complied.	
Cushman's Straw Board Mill,	Straw board,	6	—	—	—	Fair,	—	
George B. Burnett & Son,	Straw hats,	70	58	—	—	Good,	Post legal notices,	Complied.	
L. E. Dickinson,	Wood boxes,	9	—	—	—	Fair,	—	
Dwight, Graves & Co.,	Sashes and blinds,	8	—	—	—	Good,	Guard belt to tenon machine and band-saw,	Complied.	
The Hills Co.,	Straw goods,	90	110	—	1	Good,	—	

WEST SPRINGFIELD.

Agawam Paper Co., No. 1, . .	Loft-dried paper, . .	35	40	—	Fair, . .	None, . .	. . . . .	. . . . .	. . . . .	Complied.
Agawam Paper Co., No. 2, . .	Loft-dried paper, . .	100	48	—	Fair, . .	Provide additional water-closet in rag-room for females.	. . . . .	. . . . .	. . . . .	—
Springfield Glazed Paper Co., . .	Glazed paper, . .	35	5	—	Fair, . .	None, . .	. . . . .	. . . . .	. . . . .	—
Southworth Co.,	Loft-dried paper, . .	42	58	—	Good, . .	Fly-wheel to be guarded,	. . . . .	. . . . .	. . . . .	—
WILLIAMSBURG.										
A. C. Martin,	Wood turning, . .	4	—	—	Good, . .	None, . .	. . . . .	. . . . .	. . . . .	—
Henry L. James,	Woollens,	—	—	—	—	None, . .	. . . . .	. . . . .	. . . . .	Closed.
Hayden Manufacturing Co., . .	Brass goods,	250	20	—	Good, . .	None, . .	. . . . .	. . . . .	. . . . .	—
Hill Bros.,	Buttons and wood turning, . .	3	2	—	Fair, . .	None, . .	. . . . .	. . . . .	. . . . .	—
WILBRAHAM.										
Collins Manufacturing Co., . .	Loft-dried paper, . .	80	80	—	Fair, . .	None, . .	. . . . .	. . . . .	. . . . .	—
Wilbraham Woollen Co., . .	Fancy cassimere, . .	18	17	—	Good, . .	None, . .	. . . . .	. . . . .	. . . . .	—
CHESTER.										
Crystal Mills Co.,	Quartz,	7	—	—	—*	Provide exhaust fans to remove dust, Box belt that runs through the floor near stairway.	. . . . .	. . . . .	. . . . .	—†
Fay Manufacturing Co.,	Bedsteads and cribs,	5	—	—	Fair, . .	—	. . . . .	. . . . .	. . . . .	—
Grand Corundum Wheel Co., . .	Emery wheels,	—	—	—	—	None, . .	. . . . .	. . . . .	. . . . .	—†
Hampden Emery Corundum Co., .	Emery wheels,	12	—	—	Fair, . .	None, . .	. . . . .	. . . . .	. . . . .	—
Hampden Emery Corundum Co., .	Corundum and emery,	10	—	—	Fair, . .	None, . .	. . . . .	. . . . .	. . . . .	—
H. L. Smith,	Toy whips,	—	—	—	—	None, . .	. . . . .	. . . . .	. . . . .	—†
Timothy Keefe,	Bedsteads and cribs,	3	—	—	Good, . .	None, . .	. . . . .	. . . . .	. . . . .	—
Pontowisc Flint Mill,	Quartz,	3	—	—	—*	None, . .	. . . . .	. . . . .	. . . . .	—

* Not good.

† Mill closed.

‡ Mill burned.

DISTRICT NO. 7 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.				14 to 16.
CUMMINGTON.							
A. V. Stevens,	Wood turning, .	22	3	—	Fair, .	None, .	—
GRANVILLE.							
Noble & Cooley,	Toy drums, .	53	10	—	Good, .	None, .	—
Holcombe Bros.,	Sewing machine parts.	5	—	—	Fair, .	None, .	—
SOUTH HADLEY.							
Carew Manufacturing Co., .	Loft-dried paper, .	38	42	—	Fair, .	None, .	—
Glasgow Co.,	Dress goods, .	170	120	26	—*	Better sanitary arrangements in weaving-room.	Complied.
Hampshire Paper Co., .	Loft-dried paper, .	107	18	—	Good, .	None, .	—
Pearl City Paper Mill, .	Tissue paper, .	—	—	—	—	None, .	Closed.
Perkins & Son,	Manilla paper, .	—	—	—	—	None, .	Closed.
HAMPDEN.							
Scantic Mill,	Horse blankets, .	6	2	—	Fair, .	None, .	—
Ravine Woollen Mill, . .	Woollen goods, .	50	31	—	Good, .	Guard set-screws near pulleys or hangers, or make the same flush with collar.	Complied.
WALES.							
Barkley Woollen Mill, . .	Woollen goods, .	65	12	—	Good, .	None, .	—
Excelsior Woollen Mill, .	Woollen goods, .	45	17	—	Fair, .	None, .	—

WARE.		Woollen goods, .	100	125	—	19	Fair, .	Guard set-screws near pulleys or hangers, or make them flush with collar.	Complied.
C. A. Stevens & Co., . . .									
Geo. H. Gilbert Manuf'g Co., .		Dress goods and flannels.	191	126	—	17	Fair, .	File certificates for two minors, .	Complied.
The Otis Co., . . .		Hosiery and underwear.	811	876	9	145	—†	None,	—
West Ware Paper Co., . . .		Paper,	14	9	—	—	Fair, .	None,	—
AGAWAM.									
Agawam Co.,		Flannel,	21	8	—	—	Fair, .	None,	—
Worthy Paper Co.,		Loft-dried paper, . .	38	62	—	—	Good, .	Provide new cable to elevator, .	Complied.
MIDDLEFIELD.									
Bancroft Mill,		Wall paper,	16	2	—	—	Fair, .	None,	—
Chapel Mills Knitting Co., . .		Woollen goods, . . .	—	—	—	—	—	—	Closed.
ENFIELD.									
D. E. Tebo & Co.,		Satinet,	39	19	—	3	Fair, .	Discharge one minor,	Complied.
Swift River Co.,		Fancy cassimeres, . .	94	31	—	5	Bad, .	None,	—
HUNTINGTON.									
Chester Paper Co.,		Writing paper,	33	43	—	—	Good, .	None,	—
Highland Woollen Mill, . . .		Woollen goods,	67	37	—	8	Good, .	None,	—
LUDLOW.									
Ludlow Manufacturing Co., . .		Corded goods,	561	422	8	121	Fair, .	None,	—
Ludlow Manufacturing Co., . .		Corded goods,	500	400	—	110	Fair, .	Better sanitary arrangements; cable to the elevator in No. 5 mill replaced by new.	Complied.

* Not good.

† Excellent

*Report of Elevators Inspected.*DISTRICT NO. 7. JOHN L. KNIGHT, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
Agawam.				
Agawam Co.,	1	-*	Provide new wire cable to the elevator.	Complied.
Amherst.				
A. R. Cushman,	1	-*	Further protect openings to the elevator well.	Complied.
George B. Burdett & Son,	1	Good,	None.	-
The Hills Co.,	1	Good,	None.	-
Cushman's Upper Mill,	1	Fair,	None.	-
Chester.				
Hampden Emery Corundum Co.,	1	Fair,	None.	-
Chicopee.				
Dwight Manufacturing Co.,	4	Fair,	Provide new cable to the elevators in Nos. 1 and 2 mills.	Complied.
Lamb Knitting Machine Co.,	2	Good,	None.	-
The J. Stevens Arms and Tool Co.,	1	Good,	None.	-
Overman Wheel Co.,	3	Good,	None.	-
Chicopee Manufacturing Co.,	8	Good,	None.	-
Ames Sword Co.,	2	Good,	None.	-
Ames Manufacturing Co.,	1	Good,	None.	-
Easthampton.				
Easthampton Rubber Thread Co.,	1	Good,	None.	-
Easthampton Spinning Co.,	2	Good,	None.	-
Nashawanuck Manuf'g Co.,	2	Good,	None.	-
Williston & Knight,	2	Good,	None.	-
Holyoke.				
Dean Steam Pump Co.,	2	-*	Repair gates to the elevators.	Complied.
Albion Paper Co.,	3	Good,	None.	-
W. P. Griswold,	1	Bad,	None.	-†
Merrick Thread Co.,	6	Good,	None.	-
Valley Paper Co.,	3	Fair,	Repair gates to the elevators.	Complied.
Newton Paper Co.,	1	Fair,	None.	-
Whitcomb's Building,	2	Good,	None.	-
Farr Alpaca Co.,	3	Good,	None.	-
Keating Wheel Co.,	2	Good,	None.	-
Holyoke Envelope Co.,	2	Good,	None.	-
Hadley Thread Co.,	8	Good,	None.	-
Lyman Mills,	7	Good,	None.	-
Whiting Paper Co.,	8	Good,	None.	-
Whitmore Manufacturing Co.,	2	Good,	None.	-
Connor Bros.,	3	Good,	None.	-
American Pad Co.,	2	Good,	None.	-
Massachusetts Screw Co.,	1	Good,	None.	-
National Blank Book Co.,	2	Fair,	Gates to be kept closed when not in use.	Complied.
Holyoke Paper Co.,	3	Good,	None.	-
Beebe & Holbroke,	3	Good,	None.	-
Chadwick Plush Co.,	1	Good,	None.	-
Parsons Paper Co.,	6	Good,	None.	-
Wauregan Paper Co.,	2	Good,	None.	-
Germania Mills,	1	Good,	None.	-
D. Mackintosh & Sons Co.,	4	Good,	None.	-
Hampden Glazed Paper and Card Co.,	2	-*	Provide new cable to elevator in old building	-
Geo. C. Gill Paper Co.,	2	-*	Repair gates to the elevator openings.	Complied.
Chase & Coolridge,	1	-*	Repair gates to elevator openings; gates to be kept closed when not in actual use.	Complied.
Chemical Paper Co.,	3	Fair,	None.	-
Taylor Manufacturing Co.,	1	Good,	None.	-

* Not good.

† Cable broken, not in use.

Report of Elevators Inspected — Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Huntington.				
Chester Paper Co.,	2	Good,	None.	-
Ludlow.				
Ludlow Manufacturing Co., . .	9	-*	Cable to elevator in No. 5 mill to be replaced by new.	Complied.
Monson.				
D. W. Ellis & Son,	1	Good,	None.	-
R. M. Reynolds,	1	Good,	None.	-
R. M. & T. Reynolds,	2	Fair,	None.	-
Monson Woollen Co.,	1	Bad,	None.	-†
S. F. Cushman,	2	Good,	None.	-
Northampton.				
A. Kinsbury & Son,	1	Good,	None.	-
Belding Bros.,	3	Good,	None.	-†
Bryant Bros.,	1	Good,	None.	-
Florence Manufacturing Co., . .	2	Good,	None.	-
Hutchins Narrow Fabric Co., . .	1	Good,	None.	-
J. N. Leonard Silk Co.,	1	Bad,	None.	-†
Nonotuck Silk Co.,	1	Good,	None.	-
Palmer.				
Thorndyke Co.,	4	-§	Provide new wire cable to one elevator.	Complied.
Palmer Mills of the Otis Co., . .	5	-*	Provide new cable for one elevator.	Complied.
Boston Duck Co.,	4	Good,	None.	-
Russell.				
Chapin & Gould,	2	Good,	None.	-
Fairfield Paper Co.,	3	Good,	None.	-
South Hadley.				
Glasgow Co.,	1	Good,	None.	-
Hampshire Paper Co.,	1	Good,	None.	-
Springfield.				
Tucker & Cook Manufact'g Co., .	1	Good,	None.	-
Metropolitan Furnishing Co., . .	1	Fair,	Gates to the elevator openings to be repaired.	Complied.
A. N. Mayo & Co.,	2	Fair,	Elevator gates to be repaired.	Complied.
Holyoke Paper & Card Co., . . .	2	Good,	None.	-
Oroco Bag Co.,	1	Good,	None.	-
Geo. W. Tapley's Building, . . .	8	Good,	None.	-
Steam Power Co.'s Building, . . .	7	Good,	None.	-
Cheney Biglow Wire Works, . . .	2	Fair,	Repair door to the elevator opening on the first floor.	-
Springfield Publishing Co., . . .	1	Good,	None.	-
Boston & Albany Building, . . .	4	Fair,	Repair elevator gates, .	Complied.
Dickinson Hard Rubber Co., . . .	1	Good,	None.	-
C. C. Lewis,	1	Fair,	Repair gates to the elevator openings.	Complied.
Wight's Building,	5	-*	Repair gates to elevator openings.	Complied.
Morgan's Building,	1	Fair,	Protect elevator openings with self-closing hatches or gates.	Complied.
Kibbe Bros.,	2	Good,	None.	-
Morgan Envelope Co.,	4	Fair,	None.	-
Phelps Publishing Co.,	1	Fair,	Provide new cable to elevator.	Complied.
P. P. Emery Manufacturing Co., . .	1	Bad,	Elevator openings protected by self-closing hatches or gates.	Complied.
John C. Otto,	1	Good,	None.	-

* All but one good.

† Not in use.

‡ One not in use.

§ Not good.

Report of Elevators Inspected — Concluded.

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
Springfield—Con.				
Crescent Manufacturing Co., . . .	1	Good,	None.	-
Springfield Knitting Co., . . .	1	Fair,	New wire cable to be provided.	Complied.
Wilkinson's Block, . . .	3	-*	Protect elevator openings by self-closing hatches or gates.	Complied.
Bemis Car-box Co., . . .	1	Fair,	Protect openings to elevators.	Complied.
E. Stebbins Manufacturing Co., . . .	1	Good,	None.	-
Barney & Berry Skate Co., . . .	2	Good,	None.	-
Electrone Manufacturing Co., . . .	1	Good,	None.	-
Springfield Printing & Binding Co., . . .	3	Good,	None.	-†
Metallic Drawing Roll Co., . . .	1	Good,	None.	-
Chapman Valve Manuf'g Co., . . .	3	Good,	None.	-
Springfield Foundry Co., . . .	2	Good,	None.	-
A. H. Goetting, . . .	1	Good,	None.	-
Newell Bros. Manufacturing Co., . . .	3	Fair,	None.	-
The Indian Orchard Co., . . .	2	Good,	None.	-
Joseph Whitcomb & Co., . . .	1	Good,	None.	-
P. P. Kellogg & Co., . . .	1	Good,	None.	-
Bay State Corset Co., . . .	1	Good,	None.	-
Hampden Corundum Wheel Co., . . .	1	Fair,	Place railing around elevator openings.	Complied.
Ware.				
The Otis Co., . . .	8	Good,	None.	-
C. A. Stevens & Co., . . .	1	Good,	None.	-
Westfield.				
American Brass and Rivet Co., . . .	1	Good,	None.	-
The H. B. Smith Co., . . .	1	Good,	None.	-
Peck & Whipple, . . .	1	Fair,	Repair gates to elevator openings.	Complied.
Pomery & Van Dusen, . . .	1	Good,	None.	-
Springdale Paper Co., . . .	1	Good,	None.	-
Towne & Fuller, . . .	1	Good,	None.	-
American Whip Co., . . .	1	Good,	None.	-
Sanford Whip Co., . . .	1	Good,	None.	-
Westfield Power Co.'s Building, . . .	2	Fair,	Provide new cable to one elevator.	Complied.
West Springfield.				
Agawam Paper Co., . . .	3	Good,	None.	-
Southworth Co., . . .	2	Good,	None.	-
Wilbraham.				
Collins Manufacturing Co., . . .	4	Good,	None.	-

* Not good.

† One not in use.

REPORT OF INSPECTOR SHEEHAN.

The laws of this Commonwealth which I, as an inspector, am called upon to enforce are being well complied with in this district, comprising a part of the county of Essex.

There is a disposition on the part of the employers to comply cheerfully with the requirements of statutes regarding the employment of labor. It is seldom that I visit a manufacturing establishment without finding a time-table regulating the hours of labor posted, as is required. In the mills the operatives work more than ten hours per day for five days, in order to give a short day on Saturday. In the shoe factories females are employed to work by the piece in most cases, and are not obliged to work a specified number of hours. They will not average fifty hours per week when business is good. The employers cheerfully comply by posting the time-tables of fifty-eight hours per week.

Evening schools during the last season were well attended, and I devoted a good deal of time to the enforcement of the law relating to the employment of minors who cannot read and write in the English language. I visited the schools almost every evening, and when the teachers reported the names of delinquents I visited the persons who employed them, and they were notified to either attend school or be discharged. The employers are heartily in favor of the law, and with their co-operation there is no doubt that the attendance the coming season will be good.

The law in relation to the employment of minors has been well observed, and on comparing my records of this year with those of last I find where there were thirty-three minors under the school age (fourteen years) last year there are but seven such minors employed in the factories of this district this year. The reason for such a change is that the manufacturers believe that the more intelligent the workmen are the more profitable their labor is to both employer and employee.

There is a notable improvement in the sanitary conditions of the factories in this district. This is caused by the erection of a great number of new buildings which contain the latest improved water-closets for both sexes, and the system of heating with hot air makes the work-rooms healthier and the help more cheerful.

In regard to the enforcement of the law to provide means of communication between rooms in manufacturing establishments where machinery is propelled by steam and the room where the engineer is stationed, I have not issued any orders, because I could not see the benefit of such an order as a means of saving life in case of accident. I have endeavored during the year to get

the owners of buildings used for manufacturing purposes to have the shafting on each floor provided with a friction clutch or shut-off. The cost of such appliance does not exceed that of speaking-tubes or electric bells, and is much more effective as a means of saving life in cases of accident.

The guarding of gears, set-screws and other dangerous parts of machinery I have found to require constant supervision, especially in the smaller factories, less care being exercised in that respect than in the larger ones; and in those using old machinery there is many times a lack of the safeguards found to be necessary and applied by the manufacturer of the new. There has been one fatal accident caused by the bursting of an emery wheel, and after the most diligent inquiry I have been unable so far to find any guard against that which will give sufficient protection to the persons employed.

I have inspected the elevators in nearly every factory in my district, and they have been placed in good condition, as regards safety appliances, new cables and gears, and there is not, to my knowledge, one in my district that is not supplied with some form of safety device. There has been one fatal accident, but it was caused by carelessness and not by any defect of the machinery of the elevator. I am convinced that the great decrease in the number of accidents is due in a great measure to improvements in hoisting machinery, frequent replacing of cables, and the employment of competent persons to operate them. All elevator openings are protected by either self-closing hatches, gates or bars, and in cases where the wells are encased I have caused guards to be placed inside the doors, such as would draw the attention of the party using it to the fact of its not being an ordinary door.

I have found no instances of fastening of outside doors during the hours of labor, except by spring locks or bolts readily operated from the inside.

In conclusion, I am pleased to say that the agents and superintendents of the manufacturing establishments of this district have received me kindly and with a disposition to assist me in my tours of inspection to their fullest extent.

DISTRICT No. 8,

JOHN J. SIEEHAN, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
BEVERLY.									
D. A. Kilham & Co., . . .	Wood and paper boxes.	12	20	—	—	Good, . .	None, . . .	—	
Naumkeag Buffing Association, . .	Pads, . . .	2	8	—	—	Fair, . .	None, . . .	—	
Whitman Manufacturing Co., . .	Novelties, . . .	18	11	—	—	Fair, . .	Designate water-closet, . . .	Complied.	
Grover & Friend, . . .	Wood and paper boxes.	12	13	—	1	Good, . .	None, . . .	—	
Beverly Steam Laundry, . . .	Laundry, . . .	2	18	—	—	Good, . .	None, . . .	—	
Woodbury Bros., . . .	Boots and shoes, . .	300	150	—	26	Fair, . .	Post time-tables; procure certificates; guard roller and dinker machines, also shafting, stitching-room.	Complied.	
Murray, Cone & Co, . . .	Boots and shoes, . .	50	25	—	—	Fair, . .	None, . . .	—	
Marsters & Walker, . . .	Boots and shoes, . .	45	25	—	—	Fair, . .	None, . . .	—	
George Fuller & Co., . . .	Boots and shoes, . .	85	35	—	1	Fair, . .	Guard shafting, stitching-room, . .	Complied.	
Millett, Woodbury & Co, . . .	Boots and shoes, . .	60	25	—	1	Fair, . .	Post time-table, . . .	Complied.	
Carr & Spencer Bros., . . .	Shoe counters, . .	10	—	—	—	Good, . .	None, . . .	—	
Lunt, Flint & Co., . . .	Boots and shoes, . .	8	—	—	—	Fair, . .	None, . . .	—	
C. S. Batchelder, . . .	Boots and shoes, . .	6	—	—	—	Fair, . .	None, . . .	—	
Raymond & Maeder, . . .	Boots and shoes, . .	12	—	—	—	Fair, . .	None, . . .	—	
Courtis, Symmes & Co., . . .	Boots and shoes, . .	17	8	—	—	Fair, . .	None, . . .	—	
Seth Norwood Shoe Co., . . .	Boots and shoes, . .	64	56	—	—	Fair, . .	None, . . .	—	

DISTRICT No. 8 — *Continued.*

NAME OF FACTORY OF WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
BEVERLY — <i>Concluded.</i>							
F. A. Seavey & Co.,	Boots and shoes, .	50	25	—	Fair, .	Post time-table; guard shafting, stitching-room.	Complied.
G. W. Ellis,	Inner soles, .	17	3	—	Fair, .	None,	—
J. L. Porter,	Boots and shoes, .	5	1	—	Fair, .	None,	—
W. L. Wood,	Shoe stitching, .	2	40	—	Good, .	Post time-table; designate closet; guard shafting.	Complied.
S. F. Crossman,	Shoe stitching, .	—	150	—	Good, .	None,	—
P. A. Field & Co.,	Boots and shoes, .	125	5	4	Fair, .	None,	—
Myron Woodbury,	Boots and shoes, .	12	2	—	Fair, .	None,	—
B. E. Cole,	Boots and shoes, .	67	33	—	Fair, .	None,	—
George H. Allen,	Wood and paper boxes.	17	25	2	Good, .	None,	—
R. E. Larcom,	Boots and shoes, .	69	6	—	Fair, .	None,	—
J. F. Carter & Co.,	Oil clothing, .	20	20	—	Fair, .	None,	—
A. P. Thissell,	Boots and shoes, .	13	7	—	Fair, .	Post time-table,	Complied.
A. Perry & Co.,	Boots and shoes, .	30	20	—	Fair, .	None,	—
J. H. Baker & Co.,	Boots and shoes, .	90	60	—	Fair, .	None,	—
Tuck & Hassett,	Boots and shoes, .	40	20	—	Fair, .	Provide appliance to control motive power; adjust hoisting rope on elevator car.	Complied.
T. J. Ebersson,	Shoe stitching, .	—	15	—	Good, .	None,	—
J. A. Wallis & Co.,	Boots and shoes, .	90	70	2	Fair, .	None,	—

Charles H. Cressy,	Boots and shoes, .	50	25	-	-	Fair, .	None,	.	.	.	.	-
Frank Woodbury,	Boots and shoes, .	25	10	-	-	Fair, .	None,	.	.	.	.	-
Solon Lovett,	Shoe counters, .	30	-	1	5	Good, .	None,	.	.	.	.	-
Levi K. Goodhue,	Heels, .	19	6	-	-	Good, .	None,	.	.	.	.	-
John Wilson,	Boots and shoes, .	8	2	-	-	Fair, .	None,	.	.	.	.	-
DANVERS.												
Carleton & Hucksins,	Boots and shoes, .	18	17	-	-	Fair, .	None,	.	.	.	.	-
J. E. Crosby & Co.,	Boots and shoes, .	30	20	-	-	Fair, .	None,	.	.	.	.	-
George W. Baker,	Boots and shoes, .	19	6	-	-	Fair, .	None,	.	.	.	.	-
L. E. Learoyd,	Morocco, .	40	-	-	-	Fair, .	None,	.	.	.	.	-
Albert A. Bates,	Morocco, .	15	-	-	-	Fair, .	None,	.	.	.	.	-
Cross & Murphy,	Morocco, .	14	-	-	-	Fair, .	None,	.	.	.	.	-
C. A. Keath,	Boots and shoes, .	12	8	-	-	Fair, .	None,	.	.	.	.	-
Pierce Rubber Co.,	Ground rubber, .	12	-	-	-	Fair, .	None,	.	.	.	.	-
Woodman Bros.,	Wood and paper boxes,	18	12	-	1	Good, .	None,	.	.	.	.	-
James W. Tullock,	Boots and shoes, .	12	8	-	-	Fair, .	None,	.	.	.	.	-
Derry & Gould,	Wood and paper boxes,	16	10	-	-	Good, .	None,	.	.	.	.	-
J. H. Nangle,	Shoe stitching, .	-	12	-	-	Good, .	Post time-table; provide appliance to control motive power.	.	.	.	.	Complied.
Cahill & Coughlin,	Boots and shoes, .	6	-	-	-	Fair, .	None,	.	.	.	.	-
A. H. Putnam,	Felt slippers, .	16	4	-	-	Fair, .	None,	.	.	.	.	-
Loring Elliott,	Boots and shoes, .	11	4	-	-	Fair, .	Guard splitter, set-screw and shafting.	.	.	.	.	Complied.
Eaton & Sears,	Boots and shoes, .	25	50	-	-	Fair, .	None,	.	.	.	.	-
C. C. Farwell & Co.,	Boots and shoes, .	115	85	-	-	Fair, .	None,	.	.	.	.	-
W. H. Burns,	Boots and shoes, .	65	35	-	-	Fair, .	None,	.	.	.	.	-
J. L. Jellerson,	Boots and shoes, .	40	35	-	-	Fair, .	None,	.	.	.	.	-
Bernard, Friedman & Co.,	Morocco, .	128	2	-	2	Fair, .	Guard crank of engine, .	.	.	.	.	Complied.

DISTRICT NO. 8—*Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders given.	Compliances.
		NUMBER EMPLOYED.						
		Males.	Females.	Under 14.	14 to 16.			
DANVERS — <i>Concluded.</i>								
Clapp & Tapley,	Boots and shoes, .	68	2	—	2	Fair, .	. . . .	—
F. U. French,	Shoe stitching, .	—	40	—	—	Good, .	. . . .	—
W. B. Sullivan,	Boots and shoes, .	30	20	—	—	Fair, .	. . . .	—
Plummer & Kearns,	Bag leather, .	75	—	—	—	Fair, .	. . . .	—
Essex.								
Essex Shoe Co.,	Boots and shoes, .	28	2	—	—	Fair, .	Post time-table; guard roller and dinker machines.	Complied.
Bartlett & McKenzie,	Shoe stitching, .	—	20	—	—	Good, .	Post time-table; guard shafting, .	Complied.
GLOUCESTER.								
Russia Cement Co.,	Cement, .	22	18	—	—	Good, .	Box wheel on second floor, .	Complied.
Cape Ann Shoe Co.,	Boots and shoes, .	50	100	—	15	Fair, .	. . . .	—
Gloucester Net and Twine Co.,	Seines, .	12	88	—	5	Good, .	. . . .	—
Marchant Box Co.,	Wood printing, .	30	2	—	—	Good, .	Post time-table; provide additional closet, .	Complied.
Cape Ann Anchor Co.,	Castings, .	60	—	—	—	Fair, .	. . . .	—
J. H. Rowe,	Oil clothing, .	4	18	—	—	Good, .	. . . .	—
John Pew & Sons,	Fish packing, .	32	12	—	—	Good, .	. . . .	—

IPSWICH.									
Ipswich Upper Mills, .	Hosiery, .	326	232	1	42	Fair, .	Guard binder-wheel, .	Complied.	
Ipswich Lower Mills, .	Hosiery, .	16	70	—	1	Fair, .	None, .	—	
J. A. Johnson, .	Boots and shoes, .	40	25	—	—	Fair, .	None, .	—	
Farley & Daniels, .	Boots and shoes, .	20	5	—	—	Fair, .	None, .	—	
LYNN.									
J. F. Swain & Co., .	Boots and shoes, .	95	80	—	1	Fair, .	Post time-tables; guard elevator well.	Complied.	
Harnden & Blanchard, .	Inner soles, .	16	34	—	—	Fair, .	None, .	—	
Hurd & Howes, .	Laundry, .	6	22	—	—	Fair, .	Post time-table; designate water-closet.	Complied.	
A. F. Smith, .	Boots and shoes, .	260	140	—	3	Good, .	Post time-tables; certificates; guard fly-wheel and crank of engine.	Complied.	
Thomas G. Plant, .	Boots and shoes, .	175	175	—	1	Good, .	Post time-tables, .	Complied.	
Mrs. C. H. King, .	Boots and shoes, .	30	45	—	—	Fair, .	Post time-tables; designate water-closet.	Complied.	
D. J. Crowley & Co., .	Boots and shoes, .	50	30	—	1	Fair, .	Post time-table; guard shafting, stitching room.	Complied.	
John F. Hurley, .	Boots and shoes, .	13	12	—	—	Fair, .	Post time-table; guard dinker machine.	Complied.	
Mower & Cross, .	Boots and shoes, .	11	9	—	—	Fair, .	Post time-table; designate water-closet; guard elevator well, fly-wheel and crank of engine.	Complied.	
United States Shoe Co., .	Boots and shoes, .	50	25	—	1	Fair, .	Post time-table; certificate; designate water-closet; guard shafting, stitching-room.	Complied.	
Eckhard & Ford, .	Boots and shoes, .	20	15	—	—	Fair, .	Box belt; post time-table, .	Complied.	
J. F. Ricker, .	Boots and shoes, .	8	—	—	—	Fair, .	None, .	—	
Wm. F. Sheehan, .	Boots and shoes, .	13	12	—	—	Fair, .	Designate closet; guard shafting, .	Complied.	

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
LYNN — Continued.								
Crossman Box Co., . . .	Wood and paper boxes.	20	35	—	2	Good, .	Procure certificates, . . .	Complied.
Hall & Munsey, . . .	Leather shanks, . .	6	1	—	1	Fair, .	Procure certificate; guard dinker machine.	Complied.
Boston Steam Laundry Co., .	Laundry, . . .	3	13	—	—	Good, .	None, . . .	—
J. F. O'Hara & Co., . .	Boots and shoes, . .	20	—	—	—	Fair, .	None, . . .	—
George W. Emerson & Co., .	Machinery, . . .	18	—	—	—	Fair, .	None, . . .	—
Chas. B. Tebbitts, . . .	Boots and shoes, . .	125	75	—	—	Fair, .	None, . . .	—
George & Brother, . . .	Cut soles, . . .	12	—	—	—	Good, .	None, . . .	—
John Donellan & Son, . .	Morocco, . . .	50	—	—	—	Fair, .	None, . . .	—
Moulton Leather Co., . . .	Morocco, . . .	75	—	—	—	Fair, .	Box belt, first floor; guard fly-wheel of engine.	Complied.
N. Webber & Son, . . .	Morocco, . . .	135	—	—	—	Fair, .	None, . . .	—
Joseph F. Vella, . . .	Wooden heels, . . .	17	8	—	—	Fair, .	None, . . .	—
Thomas P. Nichols, . . .	Printer, . . .	15	—	—	1	Good, .	None, . . .	—
Goggins & Demarest, . . .	Boots and shoes, . .	24	1	—	—	Fair, .	None, . . .	—
Ella Lathrop, . . .	Shoe stitching, . . .	—	12	—	—	Good, .	None, . . .	—
James D. Stevens, . . .	Shoe stitching, . . .	1	29	—	—	Good, .	None, . . .	—
Timothy Kiely & Sons, . .	Boots and shoes, . .	20	10	—	—	Fair, .	None, . . .	—
Walter S. Dickson, . . .	Cut soles, . . .	12	—	—	—	Good, .	Post time-table; provide new cable and adjust elevator car.	Complied.
James Dickinson, . . .	Slippers, . . .	65	35	—	—	Fair, .	None, . . .	—

T. C. Johnson,	Cut soles,	14	—	—	Fair,	None,	Complied.
Thomas Collyer,	Boots and shoes,	11	—	—	Fair,	Post time-table; guard splitter machine.	Complied.
B. Warren Skinner,	Shoe stock,	6	6	—	Fair,	Post time-table; provide loose pulley to control motive power.	Complied.
Usher, Morse & Co.,	Boots and shoes,	13	1	—	Fair,	Post time-table; guard roller and splitter machines.	Complied.
Dickinson Shoe Co.,	Boots and shoes,	60	15	—	Fair,	Post time-table; guard roller and splitter machines.	Complied.
A. A. Pitman,	Boots and shoes,	6	3	—	Fair,	Post time-table,	Complied.
Waterson & Hinsman,	Boots and shoes,	10	10	—	Fair,	None,	Complied.
L. A. Adlington,	Boots and shoes,	10	8	—	Fair,	Guard shafting, stitching-room,	Complied.
Frank Johnson,	Boots and shoes,	12	—	—	Fair,	None,	Complied.
Shortell & Hearn,	Boots and shoes,	19	1	—	Fair,	Provide loose pulley to control motive power.	Complied.
Coffin & Shives,	Shoe stitching,	—	25	—	Good,	Post time-table,	Complied.
John H Parks,	Slippers,	27	3	—	Fair,	Post time-table,	Complied.
D. S. Boynton,	Cut soles,	6	—	—	Fair,	Procure certificate,	Complied.
George E. Barnard,	Boots and shoes,	300	100	—	Fair,	Post time-tables; procure certificates.	Complied.
Abbott Slipper Co.,	Slippers,	30	10	—	Fair,	Post time-table; guard roller machine.	Complied.
Parker Bros.,	Shoe findings,	18	12	—	Fair,	Guard shafting,	Complied.
Star Printing Co.,	Printing,	9	1	—	Fair,	Procure certificate,	Complied.
E. M. Cole,	Boots and shoes,	8	—	—	Fair,	Provide loose pulley to control motive power.	Complied.
Morton & Lyons,	Shoe counters,	5	—	—	Good,	Post time-table; guard gearing of moulding machine.	Complied.
Ross Heel Co.,	Wooden heels,	3	2	—	Fair,	Designate closet,	Complied.

DISTRICT No. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
LYNN — Continued.								
I. M. Atwill,	Boots and shoes, .	23	12	—	1	Fair, .	Post time tables; procure certificate; designate water-closet; guard shafting.	Complied.
Blanchard & Jaques, . . .	Boots and shoes, .	23	17	—	1	Fair, .	Post time-table; procure certificate, .	Complied.
Luther S. Johnson, . . .	Boots and shoes, .	85	15	—	—	Fair, .	None,	—
Willis W. George, . . .	Cut soles,	11	—	—	2	Good, .	Post time-table; procure certificates, .	Complied.
Brown & Oliver,	Cut soles,	9	—	—	—	Good, .	None,	—
Osmus Phillips,	Needles,	15	—	—	—	Good, .	None,	—
P. H. Nourse,	Heels,	10	—	—	—	Good, .	None,	—
Souther & Bubier, . . .	Cut soles,	8	—	—	—	Good, .	None,	—
N. D. C. Brown,	Cut soles,	9	—	—	—	Good, .	None,	—
J. B. Renton,	Heels,	200	—	—	1	Good, .	Procure certificate; provide new cable for elevator.	Complied.
V. K. & A. H. Jones, . . .	Boots and shoes, .	142	102	—	3	Fair, .	Post time-tables; procure certificates; guard fly-wheel and cranks of engine.	Complied.
Redpath Bros.,	Boots and shoes, .	65	45	—	—	Fair, .	None,	—
Wm. T. Ash,	Boots and shoes, .	85	40	—	—	Fair, .	None,	—
N. Y. Shoe Manufacturing Co., .	Boots and shoes, .	75	50	—	—	Fair, .	None,	—
Wm. Porter & Sons, . . .	Boots and shoes, .	70	45	—	—	Fair, .	None,	—
R. E. Hilliard,	Cut soles,	16	—	—	2	Good, .	None,	—

C. W. Carkin,	.	.	.	20	1	-	1	Fair,	.	Post time-tables; procure certificate; guard roller and splitter machines.	Complied.
H. W. Eaton,	.	.	.	6	-	-	-	Fair,	.	Guard elevator well on second floor,	Complied.
Amos T. Stocker,	.	.	.	1	30	-	-	Good,	.	None,	-
George H. Millan, Jr.,	.	.	.	2	7	-	-	Fair,	.	Guard shafting,	Complied.
Littlefield & Plummer,	.	.	.	25	25	-	-	Good,	.	None,	-
Runsey Bros.,	.	.	.	150	100	-	1	Fair,	.	Guard elevator well,	Complied.
Francis C. Stickney,	.	.	.	25	25	-	-	Fair,	.	Post time-table,	Complied.
Seymour & Jackson,	.	.	.	39	1	-	-	Fair,	.	Post time-table; guard dinker machine.	Complied.
C. H. Aborn & Co.,	.	.	.	147	3	-	2	Fair,	.	None,	-
C. W. Varney & Co.,	.	.	.	140	60	-	-	Fair,	.	Post time-tables; guard elevator well.	Complied.
G. Austin,	.	.	.	2	100	-	-	Good,	.	None,	-
E. J. Davis,	.	.	.	2	28	-	-	Good,	.	Post time-table; guard shafting,	Complied.
N. Y. Shoe Manufacturing Co.,	.	.	.	97	3	-	-	Fair,	.	None,	-
H. C. Mears,	.	.	.	1	24	-	-	Good,	.	Guard shafting,	Complied.
Walden & Langworthy,	.	.	.	30	5	-	-	Fair,	.	None,	-
M. M. Sellars,	.	.	.	2	18	-	-	Fair,	.	None,	-
Baker & Creighton,	.	.	.	70	30	-	-	Fair,	.	None,	-
George H. Allen,	.	.	.	15	50	-	4	Fair,	.	None,	-
William Clark & Co.,	.	.	.	150	100	-	4	Fair,	.	Post time-table; repair safety on elevator.	Complied.
D. A. Donavon,	.	.	.	115	60	-	-	Fair,	.	Guard elevator well,	Complied.
Coreoran & Callahan,	.	.	.	75	60	-	2	Fair,	.	None,	-
J. J. Grover's Sons,	.	.	.	30	30	-	-	Fair,	.	None,	-
George H. Johnson,	.	.	.	10	8	-	-	Fair,	.	None,	-
G. W. Herriek & Co.,	.	.	.	125	75	-	3	Fair,	.	Post time-tables,	Complied.
C. M. Howard,	.	.	.	86	64	-	2	Fair,	.	Procure certificates,	Complied.

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
LYNN — Continued.							
Bartlett Shoe Co.,	Boots and shoes,	63	3	—	Fair,	None,	—
Granite Shoe Co.,	Boots and shoes,	75	60	2	Fair,	Procure certificates,	Complied.
Leonard Shoe Co.,	Boots and shoes,	100	50	—	Fair,	Guard roller and dinker machine,	Complied.
A. G. Potter,	Wood and paper boxes,	10	12	—	Good,	None,	—
G. A. & E. A. Mansfield,	Boots and shoes,	12	8	—	Fair,	Guard splitter machine,	Complied.
Wm. F. Cushing & Co.,	Boots and shoes,	19	1	—	Fair,	None,	—
Lewis, Murr & Co.,	Boots and shoes,	55	25	—	Fair,	None,	—
North Shore Shoe Co.,	Boots and shoes,	26	4	2	Fair,	Post time-table; designate closet; procure certificates,	Complied.
J. C. French,	Shoe stitching,	2	30	—	Good,	Post time-table; guard shafting,	Complied.
Horgan, Timson & Co.,	Boots and shoes,	40	20	—	Fair,	Post time-table; guard shafting in stitching-room.	Complied.
J. L. Towne & Co.,	Boots and shoes,	30	—	—	Fair,	None,	—
John R. Story & Co.,	Boots and shoes,	12	8	—	Fair,	Post time-table,	Complied.
E. S. Johnson,	Soles,	14	—	—	Good,	None,	—
Young & Sampson,	Stiffening,	40	—	—	Good,	None,	—
Wm. J. Young,	Stiffening,	12	—	—	Good,	None,	—
Erastus E. Winkley,	Wood patterns,	8	—	—	Good,	None,	—
J. T. Sutherland,	Heels,	18	—	—	Good,	Post time-table,	Complied.
S. J. Hollis,	Boots and shoes,	65	60	3	Fair,	None,	—

J. A. Callahan,	Laundry,	5	7	-	-	Fair,	None,	.	.	.	.	-
Spinney, Virtue & Co.,	Rubber soles,	25	-	-	-	Fair,	None,	.	.	.	.	-
Lynn Heel Co.,	Heels,	12	18	-	-	Fair,	None,	.	.	.	.	-
Russell & Co.,	Shoe stock,	10	-	-	-	Fair,	None,	.	.	.	.	-
N. D. Clark,	Shoe stock,	20	-	-	-	Fair,	None,	.	.	.	.	-
National Carving Co.,	Furniture,	12	-	-	-	Fair,	None,	.	.	.	.	-
Tripp Giant Leveller Co.,	Shoe machines,	25	-	-	-	Fair,	None,	.	.	.	.	-
J. D. Mullen & Son,	Boots and shoes,	27	3	-	-	Fair,	Post time-tables; guard roller and dinker machines and shafting, stitching-room.	.	.	.	.	Complied.
D. J. Richard,	Boots and shoes,	50	25	-	-	Fair,	Guard roller machine,	.	.	.	.	Complied.
Richard McBrien,	Boots and shoes,	37	23	-	-	Fair,	None,	.	.	.	.	-
M. J. & M. E. Grady,	Shoe stitching,	1	22	-	-	Fair,	Post time-table; guard shafting,	.	.	.	.	Complied.
Barker & Lord,	Boots and shoes,	18	2	-	-	Fair,	Post time-table; designate closet; guard roller machine.	.	.	.	.	Complied.
Leary & Luddy,	Boots and shoes,	105	70	-	-	Fair,	Guard shafting in stitching-room,	.	.	.	.	Complied.
Haskell, Rich & Co.,	Boots and shoes,	18	12	-	-	Fair,	Post time-table,	.	.	.	.	Complied.
Gardner & McManus,	Shoe counters,	16	-	-	-	Fair,	Post time-table; guard roller ma- chine.	.	.	.	.	Complied.
Murphy Bros.,	Boots and shoes,	80	65	-	-	Fair,	Post time-tables,	.	.	.	.	Complied.
A. M. & J. H. Preble,	Boots and shoes,	23	12	-	-	Fair,	None,	.	.	.	.	-
H. Y. Emery,	Boots and shoes,	19	1	-	-	Fair,	None,	.	.	.	.	-
Faunce & Spinney,	Boots and shoes,	245	158	-	-	Fair,	Post time-tables; guard shafting, stitching-room.	.	.	.	.	Complied.
J. B. Law & Co.,	Boots and shoes,	25	25	-	-	Fair,	Post time-table,	.	.	.	.	Complied.
A. I. Goldthwait,	Shoe stitching,	-	25	-	-	Good,	Post time-table; guard shafting,	.	.	.	.	Complied.
Sargent & Merrill,	Boots and shoes,	36	3	-	-	Fair,	Post time-table; guard roller, split- ter and dinker machines.	.	.	.	.	Complied.
Hutchings & Melanson,	Boots and shoes,	12	-	-	-	Fair,	Guard dinker machine,	.	.	.	.	Complied.
Kelham, Hughes & Co.,	Boots and shoes,	18	12	-	-	Fair,	Post time-table; box gearing of moulding machine.	.	.	.	.	Complied.

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
LYNN — Continued.								
W. H. Ingalls,	Boots and shoes, .	50	25	—	—	Fair, .	Post time-tables; guard roller, splitter and dinker machines, also shafting, stitching-room.	Complied.
W. E. Downing,	Shirts,	1	15	—	—	Good, .	Post time-table,	Complied.
Joseph W. Leary,	Shoe stitching, .	1	6	—	—	Good, .	Post time-table,	Complied.
D. R. Patten,	Shoe stitching, .	1	40	—	—	Good, .	Post time-table; guard shafting, .	Complied.
Harney Bros.,	Boots and shoes, .	30	30	—	—	Fair, .	Post time-tables; guard dinker machine and shafting, stitching-room.	Complied.
Thomas Bros. & Tarr,	Boots and shoes, .	38	17	—	—	Fair, .	Post time-table,	Complied.
Thomas Bros.,	Wood and paper boxes, .	10	15	—	—	Good, .	Post time-table,	Complied.
L. Davenport,	Shoe stitching, .	1	30	—	—	Good, .	Post time-table,	Complied.
Shillaber & Co.,	Boots and shoes, .	100	75	—	1	Fair, .	None,	—
F. L. Spinney & Co.,	Boots and shoes, .	33	17	—	—	Fair, .	None,	—
W. H. Blake,	Laundry,	12	18	—	—	Good, .	Post time-table; designate closet, .	Complied.
J. F. Canniffe,	Boots and shoes, .	20	20	—	1	Fair, .	Post time-table; guard dinker machine.	Complied.
J. L. Walker,	Boots and shoes, .	46	4	—	2	Fair, .	Post time-tables; designate water-closet; procure certificates; guard roller machine.	Complied.
M. E. Wheelock,	Shoe stitching, .	1	18	—	—	Good, .	Guard shafting,	Complied.
Jones & Curtis,	Boots and shoes, .	40	20	—	—	Fair, .	Guard roller machine,	Complied.

G. L. Freeman & Co., . . .	Boots and shoes, . . .	15	10	-	-	Fair, . . .	Post time-table; designate water-closet; guard roller machine.	Complied.
H. B. Learned, . . .	Shoe stitching, . . .	1	50	-	-	Fair, . . .	Post time-table, . . .	Complied.
Keene Bros., . . .	Boots and shoes, . . .	95	80	-	1	Fair, . . .	None, . . .	-
Brown & Atherton, . . .	Boots and shoes, . . .	28	22	-	-	Fair, . . .	None, . . .	-
Pierce & Sibley, . . .	Boots and shoes, . . .	27	15	-	1	Fair, . . .	Post time-table; safety on elevator car.	Complied.
Legro & Allen, . . .	Boots and shoes, . . .	65	5	-	-	Fair, . . .	Post time-table, . . .	Complied.
M. H. Whittredge, . . .	Boots and shoes, . . .	160	115	-	-	Fair, . . .	Post time-tables; guard roller machine.	Complied.
W. F. Morgan, . . .	Boots and shoes, . . .	38	12	-	-	Fair, . . .	Post time-tables; guard roller and dinker machines; also shafting, stitching-room.	Complied.
D. A. Sutherland, . . .	Boots and shoes, . . .	30	20	-	-	Fair, . . .	Post time-table, . . .	Complied.
Healy Bros., . . .	Boots and shoes, . . .	30	-	-	-	Fair, . . .	None, . . .	-
John Tuck, . . .	Shoe stitching, . . .	-	25	-	-	Good, . . .	None, . . .	-
Lynn Box Co., . . .	Wood and paper boxes, . . .	10	40	-	-	Good, . . .	None, . . .	-
Phelan, Purviance & Co., . . .	Boots and shoes, . . .	45	25	-	-	Fair, . . .	Post time-table; guard shafting, stitching-room.	Complied.
L. J. Richard, . . .	Boots and shoes, . . .	25	15	-	-	Fair, . . .	Post time-table; guard shafting, stitching-room.	Complied.
Maurice Flynn, . . .	Boots and shoes, . . .	55	75	-	-	Fair, . . .	Post time-tables; guard roller and dinker machines.	Complied.
Lynn Heel Co., . . .	Heels, . . .	20	20	-	-	Fair, . . .	Guard roller machine, . . .	Complied.
G. W. Townsend, . . .	Printing, . . .	1	6	-	-	Good, . . .	None, . . .	-
General Printing Co., . . .	Printing, . . .	7	1	-	-	Good, . . .	None, . . .	-
Norton Clasp Shoe Co., . . .	Boots and shoes, . . .	4	6	-	-	Fair, . . .	Post time-table; guard shafting, stitching-room.	Complied.
Charles Ingalls, . . .	Boots and shoes, . . .	12	-	-	-	Fair, . . .	None, . . .	-

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
LYNN — <i>Concluded.</i>							
Quincy A. Towne, . . .	Boots and shoes, .	24	6	—	Fair, .	Designate closet; guard splitter machine.	Complied.
Fisher & Lane, . . .	Slippers, . . .	31	25	—	Fair, .	Post time-table, . . .	Complied.
Belt Line Power House, . . .	Electric power, .	5	—	—	Good, .	None, . . .	—
Kollock, Logan & Co., . . .	Boots and shoes, .	50	25	—	Fair, .	None, . . .	—
Chas. E. Blake & Co., . . .	Boots and shoes, .	50	25	—	Fair, .	None, . . .	—
Lydia Pinkham Medicine Co., . . .	Medicine, . . .	8	6	2	Good, .	Post time-table, . . .	Complied.
H. F. McCarthy, . . .	Boots and shoes, .	20	15	—	Fair, .	None, . . .	—
Geo E. Marsh & Co., . . .	Soap, . . .	26	1	2	Fair, .	None, . . .	—
W. W. Cilley & Co., . . .	Shoe stitching, .	—	40	—	Good, .	Guard shafting, . . .	Complied.
C. S. Sweetser, . . .	Boots and shoes, .	30	—	—	Fair, .	None, . . .	—
Brown & Balcomb, . . .	Boots and shoes, .	42	18	—	Fair, .	Post time-tables; guard roller, dinker and shafting.	Complied.
Frank Hilliard, . . .	Soles, . . .	20	—	—	Good, .	None, . . .	—
Geo. A. Bodwell, . . .	Soles, . . .	10	—	—	Good, .	None, . . .	—
Durgin & Tuttle, . . .	Boots and shoes, .	24	—	—	Fair, .	Guard roller and dinker machines, .	Complied.
E. W. Hunt & Co, . . .	Shoe stitching, .	—	20	—	Good, .	Post time-table, . . .	Complied.
Brophy Bros., . . .	Boots and shoes, .	62	63	1	Fair, .	None, . . .	—
Chas. W. Harwood, . . .	Shoe counters, .	100	—	—	Good, .	None, . . .	—
Creighton Bros, . . .	Boots and shoes, .	45	25	1	Fair, .	Procure certificate, . . .	Complied.
Chas. H. Ingalls, . . .	Boots and shoes, .	65	60	1	Fair, .	None, . . .	—
Welch & Landreagan, . . .	Boots and shoes, .	90	85	2	Fair, .	Guard shafting, stitching-room, .	Complied.

Noble Stove Co.,	Stoves,	120	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
West Lynn Shoe Co.,	Boots and shoes,	29	16	—	Fair,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
Hennessey Shoe Co.,	Boots and shoes,	30	20	—	Fair,	Guard roller machine and shafting, stitching-room.	. . . . .	. . . . .	. . . . .	Complied
Timothy Merritt,	Hats,	25	25	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
Poupperville & Chaffardon,	Morocco,	100	—	—	Fair,	Guard fly-wheel and crank of engine, Guard belt, second floor, . . . . .	. . . . .	. . . . .	. . . . .	Complied.
A. E. & H. E. Dodge,	Leather,	25	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	Complied.
Lynn Pearl Button Co.,	Buttons,	21	4	—	Fair,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
Novelty Plating Co.,	Electro plating,	7	—	—	Fair,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
J. A. Callahan,	Laundry,	3	9	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
G. Austin,	Shoe stitching,	—	70	—	Good,	Post time-table, . . . . .	. . . . .	. . . . .	. . . . .	Complied.
Geo. C. Davis,	Boots and shoes,	86	4	—	Fair,	Post time-tables; designate water-closet; procure certificates.	. . . . .	. . . . .	. . . . .	Complied
H. C. Mears,	Shoe stitching,	—	50	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
Hoag & Heath,	Boots and shoes,	98	2	—	Fair,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
John M. Noyes,	Boots and shoes,	85	50	1	Fair,	Post time-tables; designate closet; procure certificates; guard roller and splitter machines.	. . . . .	. . . . .	. . . . .	Complied.
Consolidated Shoe Co.,	Boots and shoes,	50	35	—	Fair,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
Skinner & Scott,	Wheels,	12	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
Harney Bros.,	Boots and shoes,	90	65	—	Fair,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
Mark J. Worthley,	Boots and shoes,	125	75	—	Fair,	Procure certificates; guard dinker machine.	. . . . .	. . . . .	. . . . .	Complied.
Thomson-Houston River Works,	Castings,	450	—	—	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
Thomson-Houston Electric Co.,	Dynamos,	2475	225	2	Good,	None, . . . . .	. . . . .	. . . . .	. . . . .	—
Henry Law,	Boots and shoes,	60	40	—	Fair,	None, . . . . .	. . . . .	. . . . .	. . . . .	—

LYNNFIELD.

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
MANCHESTER.									
A. S. & G. W. Jewett, .	Furniture, .	6	—	—	—	Good,	—	
W. G. Wheaton, .	Furniture, .	8	—	—	—	Good,	—	
J. M. & C. C. Dodge, .	Furniture, .	15	—	—	—	Good,	—	
Roberts & Hoare, .	Doors and blinds,	30	—	—	—	Good,	—	
MARBLEHEAD.									
John C. Peach, .	Boots and shoes, .	45	30	—	—	Fair,	—	
F. H. Stevens & Co, .	Boots and shoes, .	25	20	—	—	Fair,	—	
G. L. Metcalf, .	Wood and paper boxes.	6	10	—	—	Good,	—	
John Laney, Jr., .	Boots and shoes, .	93	59	—	1	Fair,	—	
I. P. Munroe, .	Boots and shoes, .	30	20	—	—	Fair,	—	
Cole & Wiggin, .	Boots and shoes, .	15	10	—	—	Fair,	—	
Litchman Bros., .	Boots and shoes, .	40	20	—	—	Fair,	—	
Wright Bros., .	Boots and shoes, .	27	13	—	—	Fair,	—	
Frank Millett Shoe Co.,	Boots and shoes, .	15	15	—	—	Fair,	—	
J. B. Witham, .	Boots and shoes, .	30	20	—	—	Fair,	—	
S. A. Sparhawk, .	Boots and shoes, .	15	11	—	—	Fair,	—	
S. C. Roundy, .	Boots and shoes, .	8	8	—	—	Fair,	—	
Wm. E. Brown, 2d,	Boots and shoes, .	50	25	—	—	Fair,	—	
J. J. H. Gregory, .	Seed packing,	6	24	—	1	Good,	—	
F. H. Carroll, .	Boots and shoes, .	10	5	—	—	Fair,	—	

District No. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
PEABODY — Concluded.								
Pemberton Bros.,	Morocco,	100	—	—	Fair,	None,	Guard fly-wheel of engine, . .	Complied.
Egan & Kelly,	Morocco,	30	—	—	Fair,	None,	Guard elevator well,	Complied.
Chas. H. Tighe,	Morocco,	40	—	—	Fair,	Guard gearing of Hollander machines and opening to elevator well.		Complied.
George Upton,	Glue,	107	27	—	Fair,	Post time-tables; procure certificates; guard shafting, stitching-room.		Complied.
Dauvers Bleachery,	Bleaching,	158	12	—	Good,	Post time-table,		Complied.
John H. Hammond & Co., . .	Boots and shoes, . .	15	30	—	Fair,	Post time-table,		Complied.
James M. Brown,	Heels,	10	14	—	Fair,	None,		Complied.
Annable Bros.,	Morocco,	40	—	—	Fair,	None,		Complied.
Daniel Woodbury,	Morocco,	15	—	—	Fair,	Post time-table,		Complied.
Patrick Butler,	Inner soles,	4	5	—	Fair,	Post time-table,		Complied.
Thomas Sherry,	Inner soles,	6	8	—	Fair,	Post time-table,		Complied.
Michael Sherry,	Soles,	7	8	—	Fair,	Post time-table,		Complied.
Patrick Brett,	Inner soles,	6	6	—	Fair,	Post time-table,		Complied.
H. A. Fuller,	Shoe stitching, . .	2	90	—	Good,	Post time-table,		Complied.
Warren Shaw,	Boots and shoes, . .	145	5	—	Fair,	Post time-table,		Complied.
SALEM.								
J. W. Rogers,	Boots and shoes, . .	75	75	2	Fair,	Guard roller machine,		Complied.

Heffernan & Son,	Boots and shoes,	41	19	—	3	Fair,	Post time-table,	Post time-table; guard fly-wheel of engine.	Complied.
Peter Sim & Son,	Morocco,	100	—	—	1	Fair,	Post time-table; guard fly-wheel of engine.	Complied.	Complied.
Joseph F. Pitman,	Boots and shoes,	40	20	—	—	Fair,	Designate closet,	—	Complied.
Locke Bros.,	Machinery,	12	—	—	—	Fair,	None,	—	—
George Sibley,	Cotton specialties,	9	15	—	1	Good,	None,	—	—
Salem Steam Laundry,	Laundry,	6	20	—	—	Good,	None,	—	—
Carney Bros.,	Shoe stock,	12	8	—	2	Fair,	Post time-table; procure certificates; designate water-closet; guard roller machine.	Complied.	Complied.
John Powers,	Shoe stock,	30	30	—	3	Fair,	Box belts on first floor,	Complied.	Complied.
Warren Page,	Shoe counters,	75	35	—	20	Fair,	New cable for elevator and loose pulley to control power.	Complied.	Complied.
D. D. Frothingham,	Suspender straps,	5	—	—	2	Fair,	None,	—	—
J. P. Flint & Co.,	Boots and shoes,	28	15	—	1	Fair,	None,	—	—
Fowle & Daley,	Boots and shoes,	25	15	—	—	Fair,	Guard roller and splitter machines,	Complied.	Complied.
J. W. Woodbury & Co.,	Boots and shoes,	40	35	—	3	Fair,	Guard roller and splitter machines,	Complied.	Complied.
Almy, Bigelow & Co.,	Carpets,	4	4	—	—	Fair,	None,	—	—
Hamilton & Balcomb,	Carpenters,	50	—	—	—	Fair,	New cable for elevator; guard elevator well.	Complied.	Complied.
Naumkeag Steam Cotton Co.,	Cotton cloth,	527	837	3	97	Good,	Post time-table; guard elevator openings.	Complied.	Complied.
Chas. S. Fuller & Co.,	Boots and shoes,	125	75	—	2	Fair,	Post time-table; procure certificates; guard fly-wheel of engine.	Complied.	Complied.
Richard Quirk,	Boots and shoes,	25	15	—	—	Fair,	None,	—	—
J. T. Hopkins,	Boots and shoes,	14	11	—	1	Fair,	None,	—	—
H. D. Lefavour,	Boots and shoes,	25	15	—	—	Fair,	None,	—	—
M. Shortell & Son,	Boots and shoes,	35	10	—	—	Fair,	None,	—	—
Salem Press Co.,	Printing,	14	18	—	—	Good,	None,	—	—
J. A. Dane & Co.,	Boots and shoes,	33	22	—	1	Fair,	Guard elevator well on each floor,	Complied.	Complied.

DISTRICT No. 8—*Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
SALEM — <i>Concluded.</i>							
J. E. Weymouth & Son, . . .	Shoe counters, . . .	5	3	—	Fair, . . .	Guard elevator well, . . .	Complied.
National Fibre Board Co., . . .	Shoe counters, . . .	5	6	—	Good, . . .	None, . . .	—
Ipswich Mills Co., . . .	Hosiery, . . .	6	59	—	Good, . . .	New cable for elevator; guard shafting.	Complied.
David D. Lefavour, . . .	Boots and shoes, . . .	80	45	—	Fair, . . .	Box belt, third floor; guard shafting.	Complied.
Poor Bros., . . .	Leather, . . .	75	—	—	Fair, . . .	None, . . .	—
Lynn Glue Co., . . .	Glue, . . .	22	—	—	Fair, . . .	Repair safety device on elevator, . . .	Complied.
Salem File Works, . . .	Files, . . .	20	—	—	Fair, . . .	None, . . .	—
Jonathan Brown & Sons, . . .	Boots and shoes, . . .	200	100	—	Fair, . . .	None, . . .	—
Treadwell Bros. & Clark, . . .	Morocco, . . .	75	—	—	Fair, . . .	Box belts on each floor, . . .	Complied.
W. H. Stetson, . . .	Shoes, . . .	3	4	—	Fair, . . .	Post time-table; provide water-closets for both sexes.	Complied.
Patrick McNiff, . . .	Shoes, . . .	7	—	—	Fair, . . .	Box belt on second floor, . . .	Complied.
A. G. Frothingham, . . .	Shoes, . . .	33	2	—	Fair, . . .	Guard roller machine, . . .	Complied.
Thomas F. Hayes, . . .	Boots and shoes, . . .	6	4	—	Fair, . . .	Post time-table; guard shafting, . . .	Complied.
Star Laundry, . . .	Laundry, . . .	1	6	—	Fair, . . .	Post time-table, . . .	Complied.
SAUGUS.							
Pranker Manufacturing Co., . . .	Dress goods, . . .	80	40	—	Fair, . . .	None, . . .	—
Scott's Mills, . . .	Flannels, . . .	25	18	—	Fair, . . .	None, . . .	—

H. S. Grover, . . .	Shoe stitching, .	4	18	-	-	Good, .	None,	.	.	.	.	.	-
E. T. Kent, . . .	Hair, .	8	-	-	-	Fair, .	None,	.	.	.	.	.	-
Grosvenor Richards Manuf'g Co., .	Plasters, .	25	50	-	-	Good, .	None,	.	.	.	.	.	-
H. B. Newhall & Son, . .	Spices, .	4	4	-	-	Good, .	None,	.	.	.	.	.	-
SWAMPSCOTT.													
George Smith, . . .	Boots and shoes, .	30	20	-	-	Fair, .	None,	.	.	.	.	.	-

*Report of Elevators Inspected.*DISTRICT No. 8. JOHN J. SHEEHAN, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Beverly.				
Winslow & Rogers,	1	Good,	None.	-
Beverly Building Association, . .	1	Good,	None.	-
Cornelius Murphy,	1	Good,	None.	-
Seth Norwood,	1	Good,	None.	-
J. L. Porter,	1	Good,	None.	-
Myron Woodbury,	1	Good,	None.	-
George H. Allen,	1	Good,	None.	-
William A. Foster,	1	Good,	None.	-
J. H. Baker & Co.,	2	Good,	None.	-
Geo. A. Woodbury, 2d,	1	Poor,	Repair hoisting machinery,	Complied.
J. A. Wallis & Co.,	1	Good,	None.	-
Chas. H. Cressy,	1	Good,	None.	-
Frank Woodbury,	1	Good,	None.	-
Solon Lovett,	1	Good,	None.	-
Danvers.				
J. E. Crosby & Co.,	1	Poor,	Repair safety device on elevator.	Complied.
Eaton & Sears,	1	Good,	None.	-
S. W. Spaulding,	1	Good,	None.	-
W. H. Burns,	1	Good,	None.	-
J. L. Jellerson,	1	Good,	None.	-
Clapp & Tapley,	1	Good,	None.	-
Danvers Building Association, . .	1	Good,	None.	-
Gloucester.				
Russia Cement Co.,	2	Good,	None.	-
Cape Ann Shoe Co.,	1	Good,	None.	-
Net and Twine Co.,	1	Good,	None.	-
Marchant Box Co.,	1	Good,	None.	-
Ipswich.				
Ipswich Mills Co.,	3	Good,	None.	-
J. A. Johnson,	1	Good,	None.	-
Lynn.				
A. F. Smith,	1	Good,	None.	-
S. N. Breed & Co.,	2	Good,	None.	-
Mower Bros.,	3	Good,	None.	-
Edward E. Elder,	3	Good,	None.	-
Chas. B. Tebbetts,	1	Good,	None.	-
Lucius Beebe & Sons,	2	Good,	None.	-
Walter S. Dickson,	1	Poor,	New cable; adjust ma- chinery.	Complied.
S. B. Breed,	1	Good,	None.	-
Southworth & Campbell,	1	Good,	None.	-
S. N. Breed & Co.,	9	-*	Repair safety device on two.	Complied.
J. E. Renton,	1	Poor,	New cable for elevator, .	Complied.
V. K. & A. J. Jones,	3	Good,	None.	-
George A. Crossman & Co.,	1	Good,	Protect opening to elevator,	Complied.
Littlefield & Plummer,	6	-†	New cables for two; guard openings of two.	Complied.
Spinney & Caldwell,	2	Poor,	New cables for two, . .	Complied.
Samuel Bubier,	1	Good,	None.	-
George H. Allen,	1	Good,	None.	-
P. Lennox & Son,	4	-‡	Repair safety device on elevator; guard openings.	Complied.
Moulton & Bennett,	1	Good,	None.	-
George H. Breed,	1	Good,	None.	-
Charles Buffum,	1	Good,	None.	-
Russell & Co.,	1	Good,	None.	-
Frank Breed,	2	Good,	None.	-
Dearborn Bros.,	1	Good,	None.	-
Joseph G. Brown,	1	Good,	None.	-
E. H. Ashcroft,	1	Good,	None.	-
F. E. Abbott,	1	Good,	None.	-

* Seven good, two poor. † Four good, two poor. ‡ Three good, one poor.

Report of Elevators Inspected—Concluded.

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
Lynn—Con.				
J. K. & H. A. Pevear, . . .	3	Good,	None.	-
Blake Estate,	1	Good,	None.	-
Strout Bros.,	1	Good,	None.	-
J. B. Thomas,	3	Good,	None.	-
Keene Bros.,	4	Good,	None.	-
Lucian Newhall,	1	Poor,	New cable for elevator, .	Complied.
C. W. Wilson,	2	Good,	None.	-
Duffy & Oulton,	1	Good,	Guard elevator well, .	Complied.
James O. Marshall,	1	Good,	None.	-
Nathan Breed,	1	Good,	None.	-
C. S. Sweetser,	1	Good,	None.	-
E. R. Golder,	1	Good,	Guard elevator well, .	Complied.
Central Investment Co.,	2	Good,	None.	-
Chas. E. Harwood,	1	Good,	None.	-
G. Webster King,	2	Good,	None.	-
C. Otis Marshall,	1	Good,	None.	-
J. C. Bennett,	3	Good,	None.	-
Consolidated Shoe Co.,	1	Poor,	New cable for elevator, .	Complied.
Skinner & Scott,	1	Good,	None.	-
Harney Bros.,	1	Good,	None.	-
Thomson-Houston Electric Co., .	7	Good,	None.	-
Marblehead.				
Building Association,	2	Good,	None.	-
Wm. H. Boynton & Co.,	1	Good,	Guard elevator well, .	Complied.
John F. Harris,	1	Good,	None.	-
Peabody.				
Standard Thermometer Co., . .	1	Good,	None.	-
L. & G. H. Poor,	2	Good,	None.	-
Geo. J. Winchester,	1	Good,	None.	-
George Upton,	2	Good,	None.	-
Danvers Bleachery Co.,	1	Poor,	Guard elevator openings; repair hoisting ma- chinery.	Complied.
Salem.				
J. W. Rogers,	1	Good,	None.	-
Peter Sims & Son,	2	Good,	None.	-
Locke Bros.,	1	Good,	None.	-
Warren Page & Co.,	2	Poor,	New cables for both ele- vators.	Complied.
Hamilton & Balcomb,	2	—*	New cable for one ele- vator; guard elevator opening on second floor.	Complied.
Naumkeag Steam Cotton Co., . .	11	—†	New cables for elevators in No. 3 mill; guard openings to elevator in mill No. 2.	Complied.
Chas. S. Fuller & Co.,	1	Good,	None.	-
J. A. Dane & Co.,	1	Good,	Guard elevator openings on every floor of factory.	Complied.
Zina Goodell,	1	Good,	None.	-
Hamilton & Balcomb,	1	Poor,	Repair safety device on elevator; guard elevator openings on every floor.	Complied.
Poor Bros.,	3	—‡	Repair safety device on elevator at glue factory; repair safety device and procure new cable for elevator in shoe factory.	Complied.
Treadwell Bros. & Clark, . . .	1	Good,	None.	-

* One good, one poor.

† Nine good, two poor.

‡ One good, two poor.

REPORT OF INSPECTOR SPLAINE.

I respectfully submit herewith a tabulated report of factories, workshops, public buildings and elevators inspected by me during the year just closed.

Changes for the better among factories and workshops in my district have become apparent since my last annual report. Danger to life and limb to-day is not so great as it was a year ago; the fifty-eight-hour time-table for women, young persons and children is posted in every factory and workshop where the law requires it; means of egress in case of fire are better; sanitary matters are decidedly better; ventilation is good, considering all the circumstances; and more important than all is the fact that children under fourteen years of age have nearly all disappeared from the factories and workshops in the district.

The enforcement of the fifty-eight-hour law for women, young persons and children has required a good deal of labor and perseverance in order to bring about the observance of it by all the manufacturers. It is now, however, regarded with favor by nearly all interested, and the many objections raised against it upon first attempts to enforce it have disappeared.

Dangerous machinery in my district is well guarded; yet, because of frequently changing old for new machinery and the frequent change of proprietorship, it is not safe to conclude that because machinery has been guarded once it is guarded forever.

Ventilation depends to a great extent upon the age and form of the building. The older building is almost sure to be poorly ventilated, while the building of more modern design and construction is almost sure to be well ventilated. The modern factory is simple in form, high studded, space enough for employees, plenty of light and air, good sanitary appointments, and ample means of escape in case of fire. Of the older structures I can only say that I wish all of them, in one day, could be replaced by new ones.

Last year I found 97 children under fourteen years of age working in factories and workshops in my district, and that number, compared with that of former years, was unprecedentedly low; but to my surprise, I have found this year, of children under fourteen years, only 4 in the whole district.

The very small number of children in factories of my district this year shows the public sentiment against child labor, and reflects credit on the manufacturers, who, through their public-spirit-edness and in response to public opinion, are setting their faces against the employment of little children.

With the laws now applying to factory life wisely enforced by officers whose aim should be to accomplish the greatest good under the law with the least possible friction, factory life for good men, women and young persons bids fair to improve steadily.

HENRY SPLAINE, *Inspector.*

DISTRICT No. 9,

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.	
		Males.		Females.	Under 14.				14 to 16.
ABINGTON.									
M. N. Arnold & Co.,	Boots and shoes,	487	95	—	1	Fair, . .	Post time-tables and cleanse closets,	Complied.	
Lewis A. Crossett,	Shoes,	135	40	—	6	Good, . .	Post time-tables and guard machinery.	Complied.	
William E. Lyon,	Shoes,	34	6	—	1	Good, . .	Post time-tables,	Complied.	
Edwin P. Reed,	Saw mill,	4	—	—	—	Good, . .	None,	—	
Cobb & Thompson,	Shoes,	90	35	1	1	Good, . .	Time-tables; guard machinery and additional means of escape.	Complied.	
King Brothers,	Shoes,	40	10	—	—	Good, . .	Post time-tables,	Complied.	
Abington Tack and Machine Association.	Tacks, etc.,	18	7	—	—	Fair, . .	Time-tables; designate closets, . .	Complied.	
W. S. O'Brien,	Heels and inner soles.	19	9	—	—	Good, . .	Post time-tables,	Complied.	
E. L. Sprague & Co.,	Shoes,	55	20	—	—	Good, . .	Post time-tables,	Complied.	
Kent & Browne,	Gloves,	3	5	—	—	Good, . .	Post time-tables and guard machinery.	Complied.	
T. F. Giles,	Quilting leather,	6	—	—	—	Good, . .	Post time-tables,	Complied.	
H. H. Bulhum,	Machinery,	6	—	—	—	Good, . .	None,	—	
Arnold Brothers,	Lasts,	12	—	—	—	Good, . .	Guard machinery,	Complied.	
Abington and Rockland Electric Lighting Co.	Power and light,	4	—	—	—	Good, . .	Guard machinery,	—	

DISTRICT No. 9 — Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.				
				14 to 16.	16 to 18.			
AVON.								
G. L. Littlefield,	Shoes,	115	35	—	—	Fair, .	Guard machinery and designate closets.	Complied.
Metcalf B. Sumner,	Laundry,	—	4	—	—	Fair, .	Post time-tables,	Complied.
Geo. H. Burt & Co.,	Shoes,	170	80	—	—	Good, .	Post time-tables and guard machinery.	Complied.
W. D. Brackett & Co.,	Shoes,	75	10	—	—	Good, .	Post time-tables,	Complied.
BRAINTREE.								
Columbia Rubber Co.,	Mackintoshes,	34	20	—	1	Fair, .	Post time-table and file school certificates.	Complied.
Hollingsworth & Whitney Co.,	Manilla paper	70	—	—	—	Good, .	Guard pulley wheels,	Complied.
B. H. Woodsum Co.,	Tacks and nails,	16	2	—	4	Good, .	Guard fly-wheel and file school certificates.	Complied.
Williams, Kneeland & Co.,	Shoes,	160	40	—	—	Good, .	Time-tables; guard fly-wheel and designate closets.	Complied.
Rice & Hutchins (incorporated),	Shoes,	30	20	—	2	Good, .	Certificates; guard fly-wheel and repair elevator.	Complied.
W. A. Ross & Co.,	Shoes,	32	3	—	—	Good, .	Time-tables and designate closets,	—
Stevens & Willis,	Tacks and shoe nails	23	2	—	1	Good, .	Guard fly-wheel,	Complied.
R. H. Long & Co.,	Boots and shoes,	25	5	—	1	Good, .	Post time-tables and guard fly-wheel,	Complied.
Arza B. Keith,	Leather bleaching,	15	—	—	—	Fair, .	Post time-tables,	Complied.

Arza B. Keith,	Leather bleaching,	—	—	—	—	Fair,	None,	•	•	•	—
A. S. Morrison & Brothers,	Yarns, underwear,	50	—	—	—	Good,	None,	•	•	•	—
	etc.										
A. C. Drinkwater,	Sole leather,	25	—	—	—	Good,	None,	•	•	•	—
Allen Fan Co.,	Folded fans,	25	—	—	—	Good,	None,	•	•	•	—
Jenkins Manufacturing Co.,	Boot and shoe lac-	40	—	—	—	Good,	None,	•	•	•	—
	ings.										
Municipal Electric Plant,	Light,	4	—	—	—	Good,	None,	•	•	•	—
Four River Engine Co.,	Marine engines,	70	—	—	—	Good,	None,	•	•	•	—
	etc.										
Ambler & Hobart,	Grist mill,	4	—	—	—	Good,	None,	•	•	•	—
L. O. Crocker,	Railroad punches,	5	—	—	—	Good,	None,	•	•	•	—
BRIDGEWATER.											
Henry Perkins,	Castings, machin-	50	—	—	—	Good,	Guard set-screws,	•	•	•	Complied.
	ery, etc.										
Eagle Cotton Gin Co.,	Cotton gins, etc.,	55	—	—	—	Good,	Repair elevator,	•	•	•	Complied.
Bridgewater Box Co.,	Packing boxes and	41	—	—	—	Good,	None,	•	•	•	—
	shooks.										
Richard W. Cone & Co.,	Shoes,	65	20	—	—	Good,	None,	•	•	•	—
Bridgewater Electric Co.,	Power and light,	3	—	—	—	Good,	Guard fly-wheels,	•	•	•	Complied.
BROCKTON.											
Brockton Coöperative Boot and Shoe Co.	Shoes,	63	12	—	—	Good,	Post time-tables,	•	•	•	Complied.
Geo. E. Keith,	Shoes,	575	125	—	—	Good,	Certificates; designate closets and unlock doors.	•	•	•	Complied.
Jenkins & Thomas,	Shoes,	15	15	—	—	Good,	Guard machinery,	•	•	•	Complied.
Woodward & Wright,	Lasts,	25	—	—	—	Good,	Maintain exhaust fans,	•	•	•	Complied.
S. E. Packard,	Paper boxes,	10	30	—	—	Good,	Post time-tables,	•	•	•	Complied.
G. V. Scott,	Machinery,	6	1	—	—	Good,	None,	•	•	•	—

DISTRICT No. 9 — *Continued.*

NAME OF FACTORY OF WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
BROOKTON — <i>Continued.</i>								
Edwin Keith, . . .	Shoes, . . .	63	27	—	5	Good, .	School certificates, . . .	Complied.
Walker, Taylor & Co., . .	Boots and shoes, .	200	100	—	4	Good, .	Certificates; machinery, and designate closets.	Complied.
Myron F. Thomas, . . .	Shoes, . . .	100	40	—	1	Good, .	Procure certificates and guard machinery.	Complied.
W. R. Emory & Co., . . .	Machinery, . . .	4	—	—	—	Good, .	Guard machinery, . . .	Complied.
George Risley, . . .	Die blocks, . . .	2	—	—	—	Good, .	Guard fly-wheel, . . .	Complied.
Churchill & Alden, . . .	Shoes, . . .	150	75	—	2	Good, .	Children's certificates and post time-tables.	Complied.
R. B. Grover & Co., . . .	Shoes, . . .	175	50	—	1	Good, .	Post time-tables, . . .	Complied.
Whitman & Keith, . . .	Shoes, . . .	300	125	—	2	Good, .	Post time-tables; designate closets and guard machinery.	Complied.
E. A. Laird & Co., . . .	Steel shoe shanks.	8	—	—	1	Good, .	Children's certificates; post time-tables and guard machinery.	Complied.
Preston B. Keith, . . .	Shoes, . . .	250	100	—	2	Good, .	None, . . .	—
Bion F. Reynolds, . . .	Shoes, . . .	32	8	—	—	Good, .	Post time-tables, . . .	Complied.
J. C. Tannatt, . . .	Shoes, . . .	10	3	—	—	Good, .	Post time-tables and guard machinery.	Complied.
John Brooks, . . .	Machinery, . . .	3	—	—	—	Good, .	Post time-tables, . . .	Complied.
American Heeling Machine Co., .	Heeling machinery,	20	—	—	—	Good, .	None, . . .	—
Boston and Bay State Die Co., .	Cutting dies,	4	—	—	—	Fair, .	Guard machinery, . . .	Complied.
F. M. Shaw & Son, . . .	Leather remnants,	21	—	—	—	Good, .	None, . . .	—

J. B. Mann, . . .	Shoe tools, . . .	3	-	-	Good, .	None, .	. . .	Complied.
W. B. Drew & Co., . . .	Heels and inner soles, . . .	19	6	-	Good, .	Post time-tables, . . .	. . .	Complied.
N. A. W. Ramsden, . . .	Fitting and stitching, . . .	1	9	-	Good, .	None, .	. . .	-
Johnson & Fillion, . . .	Heels and soles, . . .	14	6	-	Good, .	Post time-tables, . . .	. . .	Complied.
Shaw & Bryant, . . .	Shoes, . . .	13	2	-	Good, .	None, .	. . .	-
Thompson Brothers, . . .	Shoes, . . .	265	50	-	Good, .	Children's certificates, . . .	. . .	Complied.
H. C. Fuller, . . .	Bleaching leather, . . .	21	3	-	Good, .	Post time-tables; designate closets, . . .	. . .	Complied.
Pratt Foundry Co., . . .	Lastings, . . .	10	-	-	Good, .	None, .	. . .	-
Standard Rubber Corporation, . . .	Waterproof clothing, . . .	50	50	-	Good, .	Post time-tables and guard machinery, . . .	. . .	Complied.
Brockton Paper Box Factory, . . .	Paper boxes, . . .	40	25	-	Fair, .	Children's certificates; guard machinery and designate closets, . . .	. . .	Complied.
Kimball Brothers, . . .	Last machinery, . . .	11	-	-	Fair, .	None, .	. . .	-
E. S. Snell & Co., . . .	Shoe tools, . . .	3	-	-	Fair, .	None, .	. . .	-
C. H. Holt, . . .	Fire-escapes, . . .	5	-	-	Fair, .	None, .	. . .	-
E. B. Jones, . . .	Rands, . . .	1	3	-	Bad, .	Post time-tables and erect closets, . . .	. . .	Complied.
A. C. Thompson, . . .	Stairs and finish, . . .	7	-	-	Bad, .	Guard machinery, . . .	. . .	Complied.
Geo. G. Snow, . . .	Shoes, . . .	550	225	-	Fair, .	Children's certificates; post time-tables and erect closet, . . .	. . .	Complied.
Joyce, Ford & Co., . . .	Shoes, . . .	75	25	-	Good, .	None, .	. . .	-
H. M. Kingman, . . .	Shoes, . . .	144	50	-	Good, .	Post time-tables, . . .	. . .	Complied.
L. M. Reynolds & Co., . . .	Shoes, . . .	140	61	-	Good, .	None, .	. . .	-
N. R. Packard, . . .	Shoes, . . .	115	35	-	Good, .	Post time-tables and designate closets, . . .	. . .	Complied.
Niles & Wilbur, . . .	Shoes, . . .	40	10	-	Good, .	None, .	. . .	-
Wendell, Leach & Co., . . .	Shoes, . . .	14	1	-	Good, .	None, .	. . .	-
James A. Knapp, . . .	Good year contractor, . . .	12	-	-	Good, .	None, .	. . .	-
Geo. C. Carey, . . .	Crimping, . . .	2	-	-	Good, .	Guard set-screws, . . .	. . .	Complied.

DISTRICT No. 9 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
BROCKTON — Continued.								
Geo. Knight & Co.,	Machinery,	7	—	—	—	Good,	None,	—
John Allen,	Custom uppers,	2	4	—	1	Good,	Post time-tables,	Complied.
Brockton Stay Co.,	Seam stays,	5	3	—	1	Good,	None,	—
Brockton Cut Sole Co.,	Shoe counters,	34	6	—	—	Fair,	Post time-tables and designate closets.	Complied
Ephraim S. Morton,	Heel plates,	4	—	—	—	Good,	None,	—
S. H. Nichols,	Shoe machinery,	2	—	—	—	Good,	None,	—
Edward Sheehy,	Shoes,	4	—	—	—	Good,	None,	—
O'Neil & Howes,	Cabinet and jobbing,	15	—	—	—	Good,	None,	—
A. Hinckley,	Custom shoes,	3	—	—	—	Fair,	None,	—
A. L. Higgins,	Sewing contractor,	1	—	—	—	Fair,	None,	—
Dennis J. Bisbee,	Shoe finisher,	4	—	—	—	Fair,	None,	—
J. M. O'Donnell & Co.,	Shoes,	20	6	—	1	Fair,	None,	—
Holmes Brothers & Co.,	Shoes,	11	2	—	1	Fair,	Post time-tables and guard machinery.	Complied.
Brockton Crimping Co.,	Crimping,	2	—	—	—	Fair,	None,	—
C. H. Dean,	Special clothing,	3	12	—	—	Fair,	Post time-tables; designate closets,	Complied.
The Brockton Rand Co.,	Rands,	3	12	—	—	Fair,	None,	—
Wm. A. Sweetser,	Machinery,	7	—	—	—	Fair,	None,	—
Kimball, Tisdale & Baker,	Boots and shoes,	30	10	—	—	Good,	Post time-tables and guard machinery.	Complied.

C. F. Quiggle,	Shoes, .	21	4	—	Good, .	Post time-tables,	Complied.
Howard & Foster,	Shoes, .	116	50	—	Good, .	Children's certificates,	Complied.
Baxendale & Co.,	Box toes, .	15	2	—	Good, .	None, .	—
James C. Wade, .	Shoes, .	6	—	—	Good, .	Post time-tables,	Complied
Robert Clifford, .	Crimping, .	4	—	—	Fair, .	None, .	—
Wm H. Jordan, .	Button holes, .	1	7	—	Fair, .	None, .	—
C. C. Colwell, .	Stitching con- tractor.	1	2	—	Fair, .	None, .	—
Melvin C. Edson, .	Shoes, .	3	—	—	Fair, .	None, .	—
Johnson & Porter, .	Shoes, .	4	—	—	Fair, .	Guard machinery,	Complied.
O. O. Patten & Co.,	Burnishing ink, .	10	—	—	Fair, .	Designate closets,	—
Stacey, Adams & Co., No. 1,	Shoes, .	25	50	—	Fair, .	Additional closet,	Complied.
Stacey, Adams & Co., No. 2,	Shoes, .	40	—	—	Good, .	None, .	—
Stacey, Adams & Co., No. 3,	Shoes, .	110	3	—	Good, .	None, .	—
Joseph D. Donovan & Co.,	Duck clothing, .	4	14	—	Good, .	None, .	—
Lilley, Brackett & Co.,	Shoes, .	105	25	—	Good, .	None, .	—
Sweasey & Grew, .	Shoe tools, .	3	—	—	Good, .	None, .	—
The T. A. Norris Machine Co.,	Shoe machinery, .	17	—	—	Good, .	None, .	—
Edson Electric Illuminating Co,	Light and power, .	9	—	—	Good, .	None, .	—
C. S. Pierce, .	Crimping, .	20	—	—	Good, .	None, .	—
Barlow & Eldridge, .	Last makers' sup- plies.	5	1	—	Good, .	None, .	—
Goddard & Rogers, .	Machinery, .	8	—	—	Good, .	None, .	—
Ellis F. Copeland, .	Shoes, .	44	6	—	Good, .	None, .	—
Bittenbender & Caverly, .	Shoes, .	42	18	—	Fair, .	Children's certificates and cleanse and designate closets.	Complied.
Washburn & Hayward, .	Stair building and finish.	7	—	—	Good, .	None, .	—
E. L. Bonney, .	Wooden boxes, .	20	—	—	Good, .	None, .	—
Elmer C. Packard, .	Grist and grain, .	7	2	—	Good, .	None, .	—

DISTRICT No. 9 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
BROOKTON — <i>Continued.</i>									
A. P. Reynolds,	Steam laundry, .	5	7	—	—	Bad, .	Post time-tables; erect and designate closet.	Complied.	
Brockton Quick Laundry, .	Steam laundry, .	3	3	—	—	Fair, .	None,	—	
J. E. Peckham,	Steel shanks, .	16	—	—	2	Good, .	None,	—	
D. B. Lovell & Co.,	Carpet cleaning, .	4	—	—	—	Good, .	None,	—	
A. F. Packard,	Currier, .	4	—	—	—	Good, .	None,	—	
Geo A. Carter,	Tacks and nails, .	15	1	—	—	Good, .	Post time-tables and repair elevator, Children's certificates; post time-tables and designate closets.	Complied.	
T. D. Barry,	Shoes,	85	40	—	4	Fair, .	Children's certificates; post time-tables and designate closets.	Complied.	
Habig & Dolan,	Shoes,	15	5	—	—	Fair, .	Post time-tables,	Complied.	
Brookton Last Co.,	Lasts,	40	—	—	1	Fair, .	Children's certificates; post time-tables and designate closets.	Complied.	
Terry, Ware & Alley, . . .	Shoes,	105	70	—	3	—	None,	—	
Cycle Machine Co.,	Cycle machinery, .	3	—	—	—	Good, .	None,	—	
M. J. Sullivan & Co., . . .	Shoes,	45	15	—	1	Fair, .	Post time-tables, guard machinery and designate closets.	Complied.	
M. A. Packard & Co., . . .	Shoes,	210	90	—	10	Fair, .	Post time-tables, guard machinery and erect additional closet.	Complied.	
Bouvé, Crawford & Co., . .	Shoes,	125	25	—	—	Good, .	None; Factory No. 1,	—	
Bouvé, Crawford & Co., . .	Shoes,	66	9	—	1	Good, .	None; Factory No 2,	—	
Swain P. Pearson,	Shoes,	3	—	—	—	Good, .	Guard fly-wheel,	Complied.	

Brookton Reed & Rattan Manu- facturing Co.	Reed and rattan goods.	6	1	-	-	Good, .	None, .	. . . . .	-
Theodore Cushing,	Wooden boxes,	4	-	-	-	Good, .	None, .	. . . . .	-
Averell & Thayer,	Shoe dressing,	8	-	-	-	Good, .	None; Factory No. 1, .	. . . . .	-
F. M. Shaw,	Bleaching leather,	16	-	-	-	Good, .	None, .	. . . . .	-
Averell & Thayer,	Rubber cement,	1	-	-	-	Good, .	None; Factory No. 2, .	. . . . .	-
Geo. H. Kingman,	Shoes,	24	6	-	-	Fair, .	Post time-tables and guard machin- ery, .	. . . . .	Complied.
F. B. Washburn & Co. Corporation,	Confektions,	28	12	-	-	Good, .	Post time-tables, . . . . .	. . . . .	Complied.
Emery M. Lowe,	Paper boxes,	18	15	-	-	Good, .	Children's certificates and design- nate closets, .	. . . . .	Complied.
Charles A. Eaton,	Shoes,	55	20	-	-	Good, .	Post time-tables and guard machin- ery, .	. . . . .	Complied.
Packard & Field,	Shoes,	110	40	-	-	Good, .	None, .	. . . . .	-
Geo. B. Dunham,	Tacks,	3	-	-	-	Good, .	Post time-tables, . . . . .	. . . . .	Complied.
Ralph R. Littlefield,	Shoes,	52	13	-	-	Good, .	Post time-tables; guard machinery and designate closets, .	. . . . .	Complied.
Thomas White & Co.,	Shoes,	105	25	-	-	Good, .	None, .	. . . . .	-
Crystal Ice Co.,	Artificial ice,	5	-	-	-	Good, .	Guard machinery, . . . . .	. . . . .	Complied.
Duprey & Son,	Shoe dies,	5	-	-	-	Good, .	None, .	. . . . .	-
W. P. Bosworth & Co.,	Leather lifts,	10	1	-	-	Good, .	Post time-tables, . . . . .	. . . . .	Complied.
Smith & Wade,	Shoe trimmings,	9	8	-	-	Good, .	None, .	. . . . .	-
L. C. Bliss & Co.,	Shoes,	50	20	-	-	Good, .	None, .	. . . . .	-
Frank E. White & Co.,	Shoes,	175	75	-	-	Good, .	Electric or other device for stopping engine, .	. . . . .	-
W. R. Rogers,	Carriage making,	7	-	-	-	Good, .	None, .	. . . . .	-
The Atus Dye House,	Cleaning and dyeing,	4	2	-	-	Good, .	Post time-tables, . . . . .	. . . . .	Complied.
D. S. Packard & Co.,	Leather counters,	50	-	-	-	Good, .	None, .	. . . . .	-
F. W. Packard & Co.,	Shoes,	85	40	-	-	Good, .	None, .	. . . . .	-
A. B. Eldridge & Co.,	Staining leather,	2	-	-	-	Good, .	None, .	. . . . .	-

District No. 9—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.			
BROCKTON -- Concluded.							
O. A. Miller,	Treening,	40	—	—	Good, . .	None,	—
Herbert & Rapp Co.,	Goring's,	130	30	1	Good, . .	Post time-tables,	Complied.
Brockton Mallet Co.,	Raw-hide mallets,	4	—	—	Good, . .	None,	—
Snell & Atherton,	Shoe tools,	16	—	—	Good, . .	None,	—
Means & Co.,	Shoes,	80	20	1	Good, . .	None,	—
E. H. Reynolds,	Shoes,	58	12	—	Fair, . .	Post time-tables and repair closets,	Complied.
A. M. Herrod,	Shoes,	93	32	3	Fair, . .	Repair closets,	Complied.
New England Ball Caster Co.,	Ball casters,	5	1	—	Bad, . .	Post time-tables and cleanse and repair closet.	Complied.
Columbian Manufacturing Co.,	Pipe wrenches, etc.,	8	1	—	Good, . .	None,	—
McCarthy, Sheehy & Kendrick,	Shoes,	15	15	—	Good, . .	Post time-tables,	Complied.
D. W. Field,	Shoes,	280	70	—	Fair, . .	Post time-tables and erect additional closet.	Complied.
Phinney & Richardson,	Shoes,	29	6	—	Good, . .	Post time-tables and designate closets.	Complied.
Brockton Brass and Iron Foundry,	Brass and iron castings,	11	—	—	Good, . .	None,	—
N. C. Ruberg,	Steel shanks,	12	2	—	Good, . .	Post time-tables,	Complied.
Tack Manufacturing Co.,	Hardware,	15	—	—	Good, . .	None,	—
W. L. Douglas,	Shoes,	325	125	—	Good, . .	Post time-tables; guard machinery and additional closets.	Complied.
Reed Tack Co.,	Tacks,	2	—	—	Good, . .	None,	—

W. W. Cross & Co.,	Tacks and nails,	18	1	—	Good,	Post time-tables,	Complied.
Reynolds, Drake & Gabel,	Shoes,	50	15	—	Fair,	Post time-tables; guard machinery and designate closets.	Complied.
Brockton St. R.R. Power Station,	Electric power,	8	—	—	Fair,	Guard engines 2 and 3 and belting,	Complied.
C. A. Coffin & Co.,	Boots and shoes,	35	15	—	Good,	Post time-tables and designate closets.	Complied.
A. M. Herrod & Co. (new factory),	Shoes,	160	40	—	Good,	Post time-tables; guard fly-wheel and designate closets.	—
CANTON.							
Kinsley Iron Co.,	Axles and castings,	200	—	—	Good,	None,	—
Revere Copper Co.,	Brazery, copper, etc.	87	—	—	Good,	None,	—
Ames Shovel Factory,	Shovels,	9	—	—	Good,	Guard machinery,	Complied
Morse Brothers,	Stove polish,	22	76	—	Good,	None,	—
F. D. Dunbar,	Paper boxes,	1	8	—	Good,	None,	—
Eureka Silk Mill Co., No. 1,	Spool silk,	47	167	—	Good,	None,	—
Eureka Silk Mill Co., No. 2,	Machine silk twist,	8	22	—	Good,	None,	—
Eureka Silk Mill Co., No. 3,	Machine silk twist,	10	30	—	Good,	Guard fly-wheel,	Complied.
Crow Blacking Co.,	Blacking and dressing,	3	—	—	Good,	Guard set-screw,	Complied.
L. R. Wattles,	Dressine,	2	—	—	Good,	None,	—
Canton Manuf'g and Bleaching Co.,	Bleaching cotton,	79	6	—	Good,	Guard machinery,	Complied.
The Lexington Print Works,	Color printing,	24	3	—	Good,	Children's certificates and guard machinery.	Complied.
Knitted Mattress Co.,	Knitted mattresses,	9	1	—	Good,	None,	—
Robert Draper's Sons,	Rubber boot lining.	20	15	—	Good,	Children's certificates and rope to hoistway.	Complied.
Draper Brothers,	Woolen knit,	50	25	—	Good,	None,	—
Blue Hill Electric Co.,	Electric light,	4	—	—	Good,	Guard machinery,	Complied.

DISTRICT NO. 9 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
COHASSET.								
Joseph F. Rogers, . . .	Men's pantaloons, . .	4	10	—	—	Fair, .	Post time-tables, . .	Complied.
Cohasset Electric Light Co., . .	Electric light, . .	3	—	—	—	Fair, .	Guard machinery, . .	Complied.
DEDHAM.								
Merchants' Woollen Co., . .	Woollen cloakings, .	225	150	—	18	Good, .	None, . .	—
Merchants' Woollen Co. Dye House.	Dyeing, . .	13	—	—	—	Good, .	None, . .	—
F. E. Clapp & Co., . .	Absorbent cotton, .	8	—	—	—	Fair, .	None, . .	—
Dedham Electric Co., . .	Electric light, . .	5	—	—	—	Good, .	Guard machinery, . .	Complied.
DUXBURY.								
Seaver & Co., . .	Ivory black, . .	8	—	—	—	Good, .	Guard machinery, . .	Complied.
EAST BRIDGEWATER.								
Joshua Dean, . .	Castings, . .	35	—	—	—	Good, .	Repair rope of hoistway, . .	Complied.
Carver Cotton Gin Co., . .	Cotton gins, . .	177	3	—	—	Good, .	None, . .	—
S. Shaw & Co., . .	Shoes, . .	63	12	—	—	Good, .	None, . .	—
FOXBOROUGH.								
A. F. Bemis Hat Co., . .	Straw goods, . .	145	130	—	—	Fair, .	Post time-tables, guard machinery, designate closets and repair elevator.	Complied.

Foxborough Foundry and Machine Co.	Straw machinery,	47	—	—	Good,	Guard machinery,	Complied.
The National Fibre and Chemical Co.	Soaps,	25	—	—	Good,	None,	—
Young's Dye House,	Dye straw hats,	4	6	—	Good,	Post time-tables and guard machinery.	Complied.
A. Ross & Co.,	Wool scouring,	15	—	—	Fair,	Post time-tables and guard machinery.	Complied.
Gray & Sumner,	Steam laundry,	5	7	—	Fair,	Post time-tables,	Complied.
V. S. Pond,	Lumber and packing boxes,	16	—	—	Good,	Guard machinery,	Complied.
Star Automatic Feed Bag Co.,	Feed bags,	2	—	—	Good,	None,	—
Thomas Lavis,	Photographic novelties,	7	—	—	Good,	Post time-tables,	Complied.
Caton Brothers,	Straw and felt hats,	60	175	—	Good,	Post time-tables,	Complied.
HINGHAM.							
Burr, Brown & Co.,	Upholstery trimmings,	29	31	—	Good,	Post time-tables and guard machinery.	Complied.
Burr, Brown & Co. Dye House,	Dyeing,	4	—	—	Good,	None,	—
Shawmut Manufacturing Co.,	Leatherette,	5	—	—	Good,	Guard machinery,	Complied.
James Dower,	Manilla rope,	7	—	—	Good,	None,	—
A. J. Sprague,	Tubs, pails, etc.,	9	—	—	Good,	None,	—
Howard Toy Co.,	Toys,	12	5	—	1 Fair,	Children's certificates; post time-tables and designate closets.	Complied.
HOLBROOK.							
Thomas White & Co.,	Shoes,	190	60	—	1 Fair,	Post time-table and designate closets,	Complied.
C. A. Poole,	Shoe heels,	8	5	—	—	Post time-tables and designate closets.	Complied.
The Holbrook Paper Box Co.,	Paper boxes,	11	21	—	Good,	Post time-tables and guard machinery.	Complied.

DISTRICT NO. 9 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
HOLBROOK — <i>Concluded.</i>								
Whitcomb & Paine, . . .	Boots and shoes, .	141	9	—	—	Fair, .	Post time tables; guard machinery and designate closets.	Complied.
R. Thayer & Son, . . .	Leather shoe strings.	4	15	—	—	Good, .	Post time-tables, .	—
American Fruit Packing Co., .	Dry fruit, . . .	9	3	—	—	Good, .	None, .	—
Whitcomb & Paine, . . .	Cutting and crimping.	30	—	—	—	Good, .	None, .	—
E. Frank Hayden, . . .	Men's boots, . . .	5	—	—	—	Fair, .	None, .	—
J. W. Paine, . . .	Men's boots, . . .	5	—	—	—	Fair, .	None, .	—
Edmund White, * . . .	Boots and shoes, .	120	30	—	2	Good, .	Post time-tables; guard machinery and designate closets.	Complied.
Lewis Alden, . . .	Men's boots, . . .	4	—	—	—	Good, .	None, .	—
HYDE PARK.								
The Boston Gossamer Rubber Co., .	Rubber clothing, .	125	175	—	3	Good, .	None, .	—
Fairmount Manufacturing Co., . .	Ladies' underwear,	30	27	—	—	Good, .	Post time-tables and guard machinery.	Complied.
J. Johnston, . . .	Carriage making,	10	—	—	—	Good, .	None, .	—
C. H. Carrier, . . .	Dye stuffs, . . .	5	—	—	—	Good, .	None, .	—
John T. Robinson & Co., . . .	Paper box machinery.	45	—	—	—	Good, .	None, .	—
Brainard Milling Machine Co., . .	Milling machinery,	105	—	—	—	Good, .	None, .	—

District No. 9 — Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Under 14.			14 to 16.			
		Males.	Females.					
MARSHFIELD.								
Joshua T. Baker,	Boots and shoes, .	10	—	—	—	Good, .	None, .	—
S. B. Chandler,	Lobster pots, .	3	—	—	—	Fair, .	None, .	—
MEDFIELD.								
Searle, Dailey & Co., . .	Straw goods, .	200	300	—	—	Good, .	None, .	—
MIDDLEBOROUGH.								
Leonard & Barrows, . . .	Shoes,	250	109	—	9	Good, .	Children's certificates; guard machinery.	Complied.
Elisha T. Jenks,	Machinery,	5	—	—	—	Good, .	None, .	—
Warren B. Stetson, . . .	Shoes,	19	1	—	—	Good, .	Post time-tables, .	Complied.
Geo. A. Langmaid,	Over gaiters,	10	—	—	—	Good, .	Post time-tables and guard machinery.	Complied.
Leonard & Shaw,	Shoes,	25	9	—	—	Good, .	Children's certificates; guard machinery.	Complied.
Bay State Straw Works, . .	Straw goods,	75	150	—	—	Good, .	None, .	—
W. H. Schluter,	Plush jewelry cases, .	7	8	—	2	Good, .	None, .	—
Star Mills Corporation, . .	Ladies' cloakings, .	77	35	—	3	Good, .	None, .	—
Hathaway, Soule & Harrington, .	Men's shoes,	165	60	—	10	Good, .	Children's certificates and post time-tables.	Complied.

C. M. G. Fraprie,	Paper boxes,	10	15	—	1	Good,	Children's certificates and post time-tables.	Complied.
Murdock Parlor Grate Co.,	Parlor grates,	55	—	—	—	Good,	None,	—
Clark & Cole,	Wooden boxes,	30	1	—	—	Fair,	Post time-tables,	Complied.
C. W. Maxim,	Builders' finish,	3	—	—	—	Good,	Guard machinery,	Complied.
Le Barron Foundry Co.,	Castings,	40	—	—	—	Good,	None,	—
Keith & Pratt,	Shoes,	43	7	—	—	Fair,	Post time-tables; guard machinery and designate closets.	Complied.
Alden & Pratt,	Shoes,	65	15	—	2	Fair,	Children's certificates; post time-tables; guard machinery and designate closets.	Complied.
MILTON.								
Walter Baker Co.,	Chocolate,	12	—	—	—	Good,	None,	—
Walter Baker Co., "Ware Mill,"	Chocolate,	2	—	—	—	Good,	None,	—
Samuel Gannett,	Grist mill, etc,	13	—	—	—	Fair,	Guard fly-wheel,	Complied.
T. Straugman & Son,	Carriage and planing,	32	—	—	—	Fair,	None,	—
The New York Biscuit Co.,	Crackers and biscuits,	41	15	—	1	Good,	Guard fly-wheel,	Complied.
G. H. Bent & Co,	Water crackers,	18	3	—	—	Good,	Post time-tables,	Complied.
Milton Light and Power Co.,	Electric light,	4	—	—	—	Good,	Guard machinery,	—
NORWOOD.								
Lyman Smith's Sons Co.,	Sheep skins,	100	—	—	—	Good,	Post time-tables and guard machinery.	Complied.
J. E. Plympton & Co.,	Iron castings,	45	—	—	—	Good,	Guard machinery,	Complied.
F. A. Fales,	Grist mill,	2	—	—	—	Good,	Guard machinery,	Complied.
Chandler & Gay,	Oil-cloth carpet,	8	—	—	—	Bad,	Erect closet,	Complied.
J. N. Ball,	Inner soles,	3	17	—	—	Good,	Guard machinery,	Complied.
C. J. Sullivan,	Steam laundry,	1	4	—	—	Good,	Post time-tables and designate closets.	Complied.

District No. 9 — Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
NORWOOD — Concluded.							
Milton H. Howard,	Builder,	2	—	—	Good,	None,	—
Winslow Brothers,	Goat, sheep and calf skins.	200	—	—	Fair,	None,	—
Geo. H. Morrill,	Printing ink,	27	—	—	Good,	None,	—
N. Y. & N. E. R.R. Corp.,	Making and re-pairing.	300	—	—	Good,	Guard machinery,	Complied.
Bell & Casey,	Iron castings,	17	—	—	Good,	None,	—
PEMBROKE.							
F. P. Arnold,	Shoes,	19	11	—	Fair,	Guard machinery and designate closets,	—
PLYMOUTH.							
Mason Machine Works,	Seamless pockets,	14	14	—	—	None,	—
QUINCY.							
N. Curtis & Co.,	Shoes,	17	4	—	Fair,	Post time-tables, guard fly-wheel and designate closets.	Complied.
Graham & Co.,	Custom shoes,	56	4	—	Good,	None,	—
Tubular Rivet and Stud Co.,	Rivets and studs,	210	40	—	Good,	None,	—
Smith Improved Paper Machine Co.	Paper machinery,	3	—	—	Good,	None,	—
Charles F. Bates,	Soaps,	2	—	—	Fair,	Post time-tables, guard fly-wheel,	Complied.

Drolet & Ferguson, John Page, Jr.,	Fine shoes, . . .	8	—	—	Good,	None,	Good,	None,	—
Wallaston Foundry Co.,	Calf skins, . . .	9	—	—	Good,	None,	Good,	None,	—
Granite Railway Co.,	Machin'y castings,	70	—	—	Fair,	Guard fly-wheel,	Fair,	Guard fly-wheel,	Complied.
Mitchell Granite Co.,	Granite, . . .	100	—	—	Good,	None,	Good,	None,	—
	Cutting and polishing granite.	40	—	—	Good,	None,	Good,	None,	—
McGrath Brothers,	Monumental work,	25	—	—	Fair,	None,	Fair,	None,	—
McGillivray & Jones,	Monumental work,	36	—	—	Fair,	None,	Fair,	None,	—
Milne & Chalmers,	Statuary and monuments.	35	—	—	Fair,	None,	Fair,	None,	—
E. W. Gourd & Co.,	Hosiery, . . .	4	50	—	Fair,	Designate closets,	Fair,	Designate closets,	Complied.
Badger Brothers,	Granite and machinery.	90	—	—	Fair,	None,	Fair,	None,	—
Quincy Granite Co.,	Granite, general uses.	60	—	—	Fair,	None,	Fair,	None,	—
F. F. Mannex,	Monumental and capping granite.	36	—	—	Fair,	Guard fly-wheel,	Fair,	Guard fly-wheel,	Complied.
James Flaherty,	Polishing granite,	6	—	—	Fair,	Guard fly-wheel,	Fair,	Guard fly-wheel,	—
P. F. Hughes & Son,	Monumental work,	10	—	—	Fair,	Guard fly-wheel,	Fair,	Guard fly-wheel,	Complied.
McDonnell & Sons,	Mansoleums, etc.,	50	—	—	Fair,	None,	Fair,	None,	—
Pinel Brothers,	Quarry tools,	8	—	—	Fair,	Guard fly-wheel,	Fair,	Guard fly-wheel,	Complied.
John Mason & Co.,	Granite polishing,	14	—	—	Bad,	Cleanse closet,	Bad,	Cleanse closet,	Complied.
Thomas W. Smith,	Granite polishing,	22	—	—	Fair,	None,	Fair,	None,	Complied.
Quincy Electric Light and Power Co.	Light and power,	8	—	—	Bad,	Guard fly-wheel and erect closet.	Bad,	Guard fly-wheel and erect closet.	Complied.
McKenzie & Paterson,	Monumental granite works.	85	—	—	1 Fair,	None,	1 Fair,	None,	—
T. A. Whitcher & Co.,	Boots and shoes,	190	35	—	6 Fair,	Children's certificates; post time-tables and designate closets.	6 Fair,	Children's certificates; post time-tables and designate closets.	Complied.
John A. Drake & Co.,	Boots and shoes,	210	40	—	4 Fair,	Children's certificates; post time-tables and designate closets.	4 Fair,	Children's certificates; post time-tables and designate closets.	Complied.

DISTRICT No. 9 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.					
				14 to 16.	16 to 18.				
RANDOLPH.									
Howard, French & Co.,	Boots and shoes,	19	1	—	Good.	Post time-tables,	Complied.		
Piper, Cottle & Co.,	Sole cutting,	10	—	—	Good.	Children's certificates; post time-tables and guard machinery.	Complied.		
Geo. B. Bryant & Co.,*	Boots and shoes,	92	8	—	Good.	Post time-tables; guard machinery,	Complied.		
Pierce, Small & Nesmith,	Sporting goods,	13	1	—	Good.	Post time-tables,	Complied.		
Bradley, Hagney & Leonard,	Boots and shoes,	56	14	—	Fair.	Children's certificates; time-tables; guard machinery; designate closets.	Complied.		
John Peach,	Shoes,	35	14	—	Fair.	Post time-tables; guard machinery,	Complied.		
Estate of Wm. P. O'Brien,	Men's boots,	32	3	—	Fair.	Post time-tables; designate closets,	Complied.		
Wm. F. Barrett & Co.,	Shoes,	10	2	—	Good.	Guard machinery,	Complied.		
Wm. Gibbons & Son,	Shoes,	23	2	—	Good.	Post time-tables; guard machinery,	Complied.		
ROCKLAND.									
Rockland Co.,	Shoes,	115	25	—	Good.	Post time-tables; guard machinery,	Complied.		
Chipman, Calley & Co.,	Boots and shoes,	100	50	—	Good.	Guard machinery,	Complied.		
E. T. Harvell & Co.,	Shoes,	90	10	—	Good.	Post time-tables,	Complied.		
F. E. Nesmith & Co.,	Paper and folding boxes,	25	40	—	Good.	Children's certificates; post time-tables.	Complied.		
Burrell, Houghton & Co.,	Shoes,	140	60	—	Good.	Post time-tables; guard machinery,	Complied.		
Wright & Richards,	Shoes,	195	30	—	Good.	Post time-tables; guard machinery,	Complied.		
J. S. Turner,	Boots and shoes,	150	25	—	Good.	None,	—		

Dean, Chase & Co.,	•	Elastic webbing, •	21	9	—	—	Good, •	None, •	•	•	—
Anderson Tack Co.,	•	Tacks and nails, •	5	1	—	1	Fair, •	Post time-tables, •	•	•	Complied.
French & Hall Co.,	•	Shoes, •	78	12	—	1	Good, •	Post time-tables, •	•	•	Complied.
John Spence & Co.,	•	Extracting oil from leather.	19	—	—	1	Fair, •	Post time-tables, •	•	•	Complied.
C. E. Lane, •	•	Boots and shoes, •	38	12	—	—	Fair, •	Post time-tables; guard machinery, •	•	•	Complied.
J. O. Loring, •	•	House finish, •	14	—	—	—	Fair, •	Guard machinery, •	•	•	Complied.
J. H. Lock & Co.,	•	Shoes, •	49	6	—	—	Bad, •	Post time-tables; erect additional closets.	•	•	Complied.
Henry D. Smith, •	•	Hosiery, •	4	28	—	—	Good, •	Time-tables; designate closets, •	•	•	Complied.
Rockland Welt Co.,	•	Goodyear welts and soles.	21	4	—	—	Fair, •	Time-tables, •	•	•	Complied.
Jason Smith, •	•	Machinery, •	7	—	—	—	Fair, •	None, •	•	•	—
Josiah A. Torrey, •	•	Soap and hen food,	6	—	—	—	Fair, •	Guard machinery, •	•	•	Complied.
STOUGHTON.											
Flexible Shoe Manufacturing Co.,	•	Shoes, •	10	2	—	—	Good, •	Time-tables; guard machinery, •	•	•	Complied.
J. & H. Fitzpatrick, •	•	Boots and shoes, •	70	15	—	2	Good, •	Guard elevator well, •	•	•	Complied.
F. M. Packard, •	•	Boots and shoes, •	32	7	—	—	Good, •	Guard machinery, •	•	•	Complied.
Charles Tenney, •	•	Boots and shoes, •	91	34	—	5	Good, •	None, •	•	•	—
Stoughton Rubber Co.,	•	Rubber clothing, •	100	50	—	—	Good, •	None, •	•	•	—
French & Ward, •	•	Woven and knitted fabrics.	100	125	—	9	Good, •	Children's certificates; post time-tables.	•	•	Complied.
J. G. Phinney Counter Co., •	•	Shoe counters, •	166	52	—	13	Good, •	None, •	•	•	—
Geo. F. Walker, •	•	Lasts, •	17	—	—	—	Good, •	Time-tables, •	•	•	Complied.
The Tyler Manufacturing Co.,	•	Shutter workers, •	2	—	—	—	Good, •	None, •	•	•	—
L. H. Southworth, •	•	Lumber and grist,	3	—	—	—	Good, •	Guard machinery, •	•	•	Complied.
Robert D. Porter, •	•	Fire wood, •	3	—	—	—	Good, •	Guard machinery, •	•	•	Complied.
French & Ward (Upper Mill),	•	Knit goods, •	24	35	—	5	Good, •	Children's certificates; post time-tables.	•	•	Complied.

* Out of business.

DISTRICT No. 9 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
STOUGHTON — Concluded.								
Reynolds Brothers, . . .	Boots and shoes, .	12	—	—	—	Good, .	None, .	—
Upham Brothers & Co., . .	Shoes, . . .	60	15	—	4	Good, .	Children's certificates; post time-tables; guard machinery.	Complied.
Charles Stretton & Son, . .	Fancy knit goods, .	30	10	—	2	Good, .	Time-tables, . . .	Complied.
P. B. Capen, . . .	Laundry, . . .	3	4	—	—	Good, .	Time-tables, . . .	Complied.
Belcher & Bell, . . .	Shoes, . . .	26	4	—	—	Fair, .	Time-tables; designate closets, .	Complied.
Geo. E. Belcher, . . .	Last block fastener, .	9	—	—	—	Fair, .	Children's certificates; time-tables; designate closets.	Complied.
Wallace, Elliott & Co., . .	Men's shoes, .	85	25	—	—	Good, .	Time-tables; guard machinery, .	Complied.
Geo. A. Cooper, . . .	Bonnet wire, .	—	3	1	—	Fair, .	Time-tables, . . .	Complied.
WEST BRIDGEWATER.								
Monarch Rubber Co., . . .	Water-proofing, .	6	—	—	—	Good, .	Guard machinery, . . .	Complied.
H. M. Howard & Co., . . .	Eyeletting machinery.	2	—	—	—	Good, .	None, . . .	—
C. E. Tisdale & Co., . . .	Shoes, . . .	20	3	—	—	Good, .	None, . . .	—
C. Copeland & Son, . . .	Shoes, . . .	20	5	—	—	Good, .	None, . . .	—
WEYMOUTH.								
F. E. Hobart, . . .	Wrappers, etc., .	1	9	—	—	Good, .	Time-tables; guard machinery, .	Complied.
S. Greenwood, . . .	Leather shoe-strings.	1	3	—	—	Good, .	None, . . .	—

H. B. Reed & Co.,	Boots and shoes, .	54	6	—	1	Good, .	Guard machinery ; designate closets,	Complied.
L. V. Tirrell, .	Leather shoe-strings.	2	2	—	—	Good, .	None, .	—
Cassius Tirrell, .	Leather shoe-strings.	2	4	—	1	Good, .	Children's certificates, .	Complied.
E. H. Stetson & Co.,	Boots and shoes, .	80	20	—	—	Good, .	None, .	—
R. Loud & Sons, .	Wooden packing cases.	10	—	—	—	Good, .	Guard machinery, .	Complied.
WHITMAN.								
A. R. Jones, .	Shoes, .	240	110	—	1	Fair, .	Certificates, time-tables, guard machinery, and designate closets.	Complied.
Smith & Stoughton, .	Shoes, .	190	60	—	1	Good, .	None, .	—
Commonwealth Shoe and Leather Co., Factory No. 1.	Shoes, .	160	40	1	5	Fair, .	Guard machinery and repair closets,	Complied.
Commonwealth Shoe and Leather Co., Factory No. 2.	Shoes, .	420	30	1	4	Good, .	None, .	—
Commonwealth Shoe and Leather Co., Factory No. 3.	Shoes, .	325	225	—	1	Good, .	None, .	—
T. A. Whiteher & Co., .	Shoes, .	127	45	—	1	Good, .	Certificates ; time-tables ; guard machinery.	Complied
The Atlas Tack Corporation, .	Tacks, nails, etc., .	160	40	—	6	Good, .	Certificates ; time-tables ; guard machinery.	Complied.
Commonwealth Steam Laundry, .	Laundry, .	3	2	—	—	Good, .	Time-tables ; guard machinery, .	Complied.
Jenkins Brothers & Co., .	Caskets, etc., .	51	14	—	1	Good, .	None, .	—
Whitman Paper Box Co., .	Paper boxes, .	8	32	1	1	Fair, .	Guard machinery ; designate closets,	Complied.
Atwood Brothers, .	Wooden boxes, .	80	—	—	—	Good, .	None, .	—
D. B. Gurney, .	Tacks, nails and shanks.	79	11	—	—	Fair, .	Designate closets, .	Complied.
Aaron A. Healy, .	Heels, etc., .	1	1	—	—	Good, .	None, .	—

DISTRICT No. 9 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Under 14.			14 to 16.			
		Males.	Females.					
WHITMAN — <i>Concluded.</i>								
W. A. Daniels & Co.,	Shoes,	85	15	—	2	Fair, .	Certificates, time-tables, guard machinery and designate closets.	Complied.
Enterprise Manufacturing Co., .	McKay sewing machine.	10	—	—	—	Good, .	None,	—
C. H. Bonney,	House finish, .	6	—	—	—	Good, .	None,	—
WRENTHAM.								
Wade, Davis & Co.,	Jewelry and silver goods.	29	11	—	—	Good, .	None,	—
Plainville Stock Co.,	Gold and silver goods.	55	10	—	—	Good, .	None,	—
The Seymour, Knapp, Warren Co.,	Jewelry,	18	2	—	—	Good, .	None,	—
Robinson Brothers,	Plated chain trimmings.	10	18	—	—	Good, .	None,	—
J. B. Maintien,	Enamelling,	3	5	—	—	Good, .	None,	—
Lincoln & Bacon,	Plated jewelry,	30	20	—	—	Good, .	None,	—
Barden, Blake & Co.,	Jewelry,	5	1	—	—	Good, .	Post time-tables,	Complied.
Daniel Brown,	Straw goods,	5	10	—	—	Fair, .	Post time-tables,	Complied.
Glenwood Mill,	Shoddy and flocks,	2	—	—	—	Good, .	Guard machinery,	Complied.
Sheldon Estate,	Boats,	5	—	—	—	Good, .	None,	—
Corvell & Hall,	Jewelry,	—	—	—	—	Good, .	Post time-tables; guard machinery,	Complied.

*Report of Buildings Inspected.*CLASS No. 2, DISTRICT No. 9. HENRY SPLAINE, *Inspector.*

NAME OF BUILDING.	Orders Given.	Com- pliances.
PUBLIC BUILDINGS.		
Bridgewater.		
State Farm Buildings,	None.	-
State Insane Asylum,	None.	-
Bridgewater Almshouse,	None.	-
Bridgewater Town House,	None.	-
Bridgewater High School,	None.	-
Primary and Intermediate School,	None.	-
Primary and Grammar (Prospect St.),	None.	-
State Normal School,	None.	-
Normal Hall,	None.	-
Woodward Hall,	None.	-
Carver.		
Town House,	None.	-
Carver Almshouse,	None.	-
East Bridgewater.		
East Bridgewater Almshouse,	None.	-
Town Hall,	None.	-
High School,	None.	-
Lakeville.		
Town House,	None.	-
Marion.		
East Marion School,	None.	-
North Marion Primary School,	None.	-
South Marion Primary School,	None.	-
Mattapoisett.		
Almshouse,	None.	-
Purrrington Hall,	None.	-
Barston School,	None.	-
Central Primary School,	None.	-
Middleborough.		
Middleborough Almshouse,	None.	-
Town Hall,	None.	-
Fourth District Court Room,	None.	-
Primary School,	None.	-
High School,	None.	-
Grammar School,	None.	-
Rochester.		
Almshouse,	None.	-
Town Hall,	None.	-
Wareham.		
Almshouse,	None.	-
Town Hall,	None.	-
Fourth District Court House,	None.	-
West Bridgewater.		
Cochesett School-house,	None.	-
Almshouse,	None.	-
High School,	None.	-
Town Hall,	None.	-

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders Given.	Com- pliances.
HOTELS.		
Abington.		
Culver House,	None.	-
Avon.		
Avon House,	None.	-
Hotel Avon,	None.	-
Union House,	None.	-
Braintree.		
Hotel Monatiquot,	None.	-
Canton.		
Hotel Wellington,	None.	-
Duxbury.		
The Miles Standish,	None.	-
Foxborough.		
Cocasset House,	None.	-
Foxborough House,	None.	-
Holbrook.		
Adams House,	None.	-
Marshfield.		
Webster House,	None.	-
Fairview House,	None.	-
Hotel Churchill,	None.	-
Brandt Rock House,	None.	-
Norwood.		
Norwood House,	None.	-
Central House,	None.	-
Randolph.		
Howard House,	None.	-
Scituate.		
Humarock House,	None.	-
Coleman Heights Cottage,	None.	-
Stoughton.		
Parker House,	None.	-
Milton House,	None.	-
Stoughton Hotel,	None.	-
Weymouth.		
Central House,	None.	-
Cushing House,	None.	-
Whitman.		
Hotel Bates,	None.	-
Hobart House,	None.	-

*Report of Elevators Inspected.*DISTRICT No. 9. HENRY SPLAINE, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
Abington.				
M. N. Arnold,	1	Good,	None.	-
M. N. Arnold,	1	Good,	None.	-
Lewis A. Crossett,	1	Good,	None.	-
Wm. E. Lyon,	1	Good,	None.	-
Cobb & Thompson,	1	Good,	None.	-
King Brothers,	1	Good,	None.	-
Abington Tack and Machine Association.	1	Good,	None.	-
Wm. S. O'Brien,	1	Good,	None.	-
Edwin L. Sprague,	1	Good,	None.	-
Kent & Browne,	1	Good,	None.	-
Avon.				
Loring G. Littlefield,	1	Good,	None.	-
W. D. Brackett & Co.,	1	Good,	None.	-
Braintree.				
Hollingsworth & Whitney,	1	Good,	None.	-
B. H. Woodsum & Co.,	1	Good,	None.	-
Williams, Kneeland & Co.,	1	Good,	None.	-
Rice & Hutchins (incorporated),	1	—*	For safety device and automatic guards.	Complied.
A. S. Morrison & Brothers,	1	Good,	None.	-
A. S. Morrison & Brothers,	1	Good,	None (hoistway).	-
A. S. Morrison & Brothers,	1	Good,	None.	-
A. C. Drinkwater,	1	Good,	None.	-
Jenkins Manufacturing Co.,	1	Good,	None.	-
Ambler & Hobart,	1	Good,	None.	-
Bridgewater.				
State of Massachusetts, } State	{ 1	Good,	None.	-
State of Massachusetts, } Normal	{ 1	Good,	None.	-
State of Massachusetts, } School	{ 1	Good,	None.	-
Eagle Cotton Gin Co.,	1	Bad,	Repair car and well structure.	Complied.
Eagle Cotton Gin Co.,	1	Good,	None (hoistway),	-
Richard W. Cone & Co.,	1	Good,	None.	-
Henry Perkins,	1	Good,	None.	-
Brockton.				
Brockton Co-operative Shoe Co.,	1	Good,	None.	-
Geo. E. Keith,	1	Good,	None.	-
Geo. E. Keith,	1	Good,	None (rear of building).	-
Geo. E. Keith,	1	Good,	None (dummy).	-
Jenks & Thomas,	1	Good,	None.	-
Woodward & Wright,	1	Good,	None.	-
S. E. Packard & Son,	1	Good,	None.	-
Edwin Keith,	1	Good,	None (hoistway).	-
Walker, Taylor & Co.,	1	—*	For automatic gates,	Complied.
Myron F. Walker,	1	Good,	None.	-
Churchill & Alden,	1	Good,	None (No. 1).	-
Churchill & Alden,	1	Good,	None (No. 2).	-
R. B. Grover & Co.,	1	Good,	None (sole-leather room).	-
R. B. Grover & Co.,	1	Good,	None (finish-room).	-
Whitman & Keith,	1	Good,	None.	-
Preston B. Keith,	1	Good,	None (Hawkins).	-
Preston B. Keith,	1	Good,	None (the Stone).	-
A. Cranston Thompson,	1	Good,	None.	-
Francis M. Shaw,	1	Good,	None.	-
Thompson Brothers,	1	Good,	None.	-
Standard Rubber Corporation,	1	Good,	None (hand worked).	-
Geo. G. Snow,	1	Good,	None (No. 1).	-
Geo. G. Snow,	1	Good,	None (No. 2).	-
Joyce, Ford & Co.,	1	Good,	None (No. 1).	-
Joyce, Ford & Co.,	1	Good,	None (No. 2).	-

* Unsafe.

Report of Elevators Inspected — Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Brockton — Con.				
Henry M. Kingman,	1	Good,	None (middle).	-
Henry M. Kingman,	1	Good,	None (south).	-
Henry M. Kingman,	1	Good,	None (north).	-
N. R. Packard,	1	Good,	None.	-
Niles & Wilbur,	1	Good,	None.	-
Howard T. Marshall,	1	—*	Automatic gates first and second floors, 63 and 65 Franklin Street.	-
Howard T. Marshall,	1	Good,	None (27 Montelle Street).	-
Howard T. Marshall,	1	Good,	None (80 Ward Street).	-
Charles Howard,	1	Good,	None.	-
Oliver O. Patten,	1	Good,	None.	-
Stacey, Adams & Co.,	1	Good,	None (Factory No. 1).	-
Stacey, Adams & Co.,	1	Good,	None (Factory No. 3).	-
Lilley, Brackett & Co.,	1	Good,	None.	-
Charles S. Pierce,	1	Good,	None.	-
Bittenbender & Caverly,	1	Good,	None.	-
Elliot L. Bonney,	1	Good,	None.	-
Andrew F. Packard,	1	Good,	None (hoistway).	-
George A. Carter,	1	Bad,	Repair safety device, . . .	Complied.
Thomas D. Barry,	1	Fair,	Putting in new elevator.	-
Terry, Ware & Alley,	1	Good,	None.	-
M. A. Packard & Co.,	1	Good,	None.	-
Bouvé, Crawford & Co.,	1	Good,	None.	-
Bouvé, Crawford & Co.,	1	Good,	None (dummy).	-
Isaiah B. Ames,	1	Good,	None (hoistway)	-
F. B. Washburn & Co.,	1	Good,	None.	-
Emery M. Lowe,	1	Good,	None.	-
Charles A. Eaton,	1	Good,	None.	-
Packard & Field,	1	Good,	None.	-
Ralph R. Littlefield,	1	Good,	None.	-
Thomas White & Co.,	1	Good,	None (Main Street).	-
Thomas White & Co.,	1	Good,	None (L part).	-
L. C. Bliss & Co.,	1	Good,	None.	-
Frank E. White & Co.,	1	Good,	None.	-
D. S. Packard & Co.,	1	Good,	None (large elevator).	-
D. S. Packard & Co.,	1	Good,	None (small elevator).	-
F. W. Packard & Co.,	1	Good,	None (hoistway).	-
A. B. Eldridge,	1	Good,	None (hoistway).	-
O. A. Miller,	1	Good,	None.	-
Means & Co.,	1	Good,	None.	-
Enos H. Reynolds,	1	Good,	None (hoistway).	-
New England Ball Caster Co.,	1	Good,	None (hoistway).	-
Phinney & Richardson,	1	Good,	None.	-
W. L. Douglas Shoe Co.,	1	Good,	None.	-
W. W. Cross & Co.,	1	Good,	None.	-
Reynolds, Drake & Gabel,	1	Good,	None.	-
C. A. Coffin & Co.,	1	Good,	None.	-
A. M. Herrod & Co.,	1	Good,	None (new factory).	-
Canton.				
Kinsley Iron Co.,	1	Good,	None (hoistway).	-
Kinsley Iron Co.,	1	Good,	None.	-
Morse Brothers,	1	Good,	None.	-
Eureka Silk Co., Mill 1,	1	Good,	None (hoistway).	-
Eureka Silk Co., Mill 2,	1	Good,	None (hoistway).	-
Eureka Silk Co., Mill 3,	1	Good,	None (hoistway).	-
Canton Manuf'g & Bleaching Co.,	1	Good,	None.	-
Canton Manuf'g & Bleaching Co.,	1	Good,	None (hoistway).	-
Canton Manuf'g & Bleaching Co.,	1	Good,	None (feeder).	-
Knitted Mattress Co.,	1	Good,	None.	-
Robert Draper's Sons,	1	—*	New rope (hoistway), . . .	Complied.
Robert Draper's Sons,	1	Good,	None.	-
Robert Draper's Sons,	1	Good,	None (inside hoistway).	-
East Bridgewater.				
Joshua Dean,	1	—*	Repair rope (hoistway), . . .	Complied.
Carver Cotton Gin Co.,	1	Good,	None (first).	-
Carver Cotton Gin Co.,	1	Good,	None (second).	-

Report of Elevators Inspected — Continued.

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
Foxborough.				
A. F. Bemis Hat Co., . . .	1	Good,	None (larger).	-
A. F. Bemis Hat Co., . . .	1	-*	Repair safety device (smaller).	Complied.
Foxborough Foundry and Machine Co.	1	Good,	None.	-
The National Fibre and Chemical Co.	1	Good,	None.	-
Alexander Ross & Co., . . .	1	Good,	None (hoistway).	-
V. S. Pond,	1	Good,	None.	-
Star Automatic Feed Bag Co., .	1	Good,	None.	-
Caton Brothers,	1	Good,	None.	-
Hingham.				
Burr, Brown & Co.,	1	Good,	None (hoistway).	-
Shawmut Manufacturing Co., .	1	Good,	None.	-
A. J. Sprague,	1	Good,	None (hoistway).	-
Howard Toy Co.,	1	Good,	None (hoistway).	-
Holbrook.				
The Holbrook Paper Box Co., .	1	Good,	None.	-
Thomas White & Co.,	1	Good,	None.	-
Ezra N. Thayer,	1	Good,	None (hoistway).	-
Edmund White,	1	Good,	None (east wing).	-
Edmund White,	1	Good,	None.	-
Hyde Park.				
C. H. Currier,	1	Good,	None.	-
Fairmount Manufacturing Co., .	1	Good,	None (hoistway).	-
John T. Robinson & Co., . . .	1	Good,	None.	-
Brainard Milling Machine Co., .	1	Good,	None.	-
Brainard Milling Machine Co., .	1	Good,	None (large).	-
The Brainard Foundry Co., . . .	1	Good,	None.	-
B. B. & R. Knight,	1	Good,	None (wooden wing).	-
B. B. & R. Knight,	1	Good,	None (large elevator, outside).	-
B. B. & R. Knight,	1	Good,	None (in brick building).	-
Robert Blakie,	1	Good,	None.	-
Grey's Shoddy Mill,	1	Good,	None.	-
American Tool and Machine Co.,	1	Good,	None (hoistway).	-
Glover & Wilcomb,	1	Good,	None (hoistway).	-
Hyde Park Co.,	1	Good,	None (hoistway, larger building).	-
Hyde Park Co.,	1	Good,	None (hoistway, smaller building).	-
Readville Color Works,	1	Good,	None (hoistway No. 1).	-
Readville Color Works,	1	Good,	None (hoistway No. 2).	-
Tileston & Hollingsworth, . . .	1	Good,	None (smaller steam).	-
Tileston & Hollingsworth, . . .	1	Good,	None (larger steam).	-
Tileston & Hollingsworth, . . .	1	Good,	None (hydraulic).	-
Medfield.				
Searle, Dailey & Co.,	1	Good,	None (large elevator).	-
Searle, Dailey & Co.,	1	Good,	None (small elevator).	-
Searle, Dailey & Co.,	7	Good,	None (hand worked).	-
Middleborough.				
Leonard & Barrows,	1	Good,	None.	-
Leonard & Shaw,	1	Good,	None (hoistway).	-
Bay State Straw Works,	1	Good,	None.	-
Arthur B. Alden,	1	Good,	None.	-
Hathaway & Soule,	1	Good,	None.	-
Hathaway & Soule,	1	Good,	None (hoistway).	-
Murdock Parlor Grate Co., . . .	1	Good,	None.	-
Clark & Cole,	1	Good,	None.	-
Keith & Pratt,	1	Good,	None (hoistway).	-
Alden & Pratt,	1	Good,	None (hoistway).	-

Report of Elevators Inspected — Continued.

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pliances.
Milton.				
Walter Baker & Co., . . .	1	Good,	None (grist mill).	-
Walter Baker & Co., . . .	1	Good,	None (brick building).	-
Walter Baker & Co., . . .	1	Good,	None (smallest in main building).	-
Walter Baker & Co., . . .	1	Good,	None (largest).	-
T. Straugman & Son, . . .	1	Good,	None (carriage hoistway).	-
New York Biscuit Co., . . .	1	Good,	None (Morgan elevator).	-
New York Biscuit Co., . . .	1	Good,	None (cake elevator).	-
Geo. H. Bent & Co., . . .	1	Good,	None (hoistway).	-
Norwood.				
Lyman Smith's Sons Co., . . .	1	Good,	None (hoistway).	-
Winslow Brothers, . . .	1	Good,	None.	-
Geo. H. Morrill, . . .	1	Good,	None.	-
Quincy.				
Tubular Rivet and Stud Co., . .	1	Good,	None.	-
Tubular Rivet and Stud Co., . .	1	Good,	None (hoistway).	-
Smith Improved Paper Machine Co.	1	Good,	None (outside hoistway).	-
Smith Improved Paper Machine Co.	1	Good,	None (inside hoistway).	-
Wallaston Foundry Co., . . .	1	Good,	None.	-
E. W. Gourd & Co., . . .	1	Good,	None (hoistway).	-
T. A. Whitcher & Co., . . .	1	Good,	None.	-
Randolph.				
Piper, Cottle & Co., . . .	1	Good,	None.	-
Geo. B. Bryant & Co., . . .	1	Good,	None.	-
John Peach, . . .	1	Good,	None.	-
Rockland.				
Chipman, Calley & Co., . . .	1	Good,	None.	-
Elisha T. Harvell, . . .	1	Good,	None.	-
Franklin E. Nesmith & Co., . . .	1	Good,	None.	-
Wright & Richards, . . .	1	Good,	None.	-
French & Hall Co., . . .	1	Good,	None.	-
John Spence & Co., . . .	1	Good,	None.	-
Charles E. Lane, . . .	1	Good,	None.	-
Edward F. Brown & Co., . . .	1	Good,	None (hoistway).	-
Stoughton.				
J. & H. Fitzpatrick, . . .	1	Good,	Guard well openings,	Complied.
Charles Tenney, . . .	1	Good,	None.	-
French & Ward, . . .	1	Good,	None (hoistway).	-
J. G. Phinney Counter Co., . . .	1	Good,	None.	-
J. G. Phinney Counter Co., . . .	1	Good,	None (hoistway).	-
French & Ward, . . .	1	Good,	None.	-
Wallace, Elliott & Co., . . .	1	Good,	None.	-
West Bridgewater.				
Monarch Rubber Co., . . .	1	Good,	None (hand worked).	-
Weymouth.				
H. B. Reed & Co., . . .	1	Good,	None.	-
Whitman.				
Arthur R. Jones, . . .	1	Good,	None.	-
Smith & Stoughton, . . .	1	Good,	None.	-
Commonwealth Shoe and Leather Co.	1	Good,	None (building No. 1).	-
Commonwealth Shoe and Leather Co.	1	Good,	None (building No. 2).	-
Commonwealth Shoe and Leather Co.	1	-*	None (building No. 3).	-
T. A. Whitcher & Co., . . .	1	Good,	None.	-

* In course of repair.

Report of Elevators Inspected—Concluded.

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
Whitman—Con.				
The Atlas Tack Corporation, . . .	1	Good,	Gate to well, first floor, . .	Complied.
The Atlas Tack Corporation, . . .	1	Good,	None (farthest from office),	-
Whitman Paper Box Co., . . .	1	Good,	None.	-
Atwood Brothers, . . .	1	Good,	None.	-
D. B. Gurney, . . .	1	Good,	None.	-
W. H. Daniels & Co., . . .	1	Good,	None.	-
Wrentham.				
Daniel Brown, . . .	1	Good,	None.	-

REPORT OF INSPECTOR HOWES.

It is especially gratifying to me, in presenting my annual report for the year past, that I am able to state that the laws which I am expected to enforce have been so very generally and faithfully complied with.

The first act I will refer to is the one relating to the employment of women and children. I find this past year no children have been employed or certificates given to children under fourteen years, excepting during the vacation, when they worked under vacation certificates. I am also glad to state that the number employed under sixteen is on the decrease.

Regarding illiterates, in this district there are only two cities and towns that are required to comply with the law found in chapter 433, Acts of 1887. Our manufacturers are very willing to do all in their power to see that this law is enforced, and with their assistance our evening schools are well maintained. Where children refuse to attend the evening schools a few of the manufacturers have discharged them from their employ.

The laws relating to the hours of labor for women and children are well carried out. Seldom do I find a case of overtime and not often is one reported. This year there has been one, but upon investigation I found it was not known to the manufacturer.

Few accidents and none fatal have occurred this year in this district. There has been a general compliance with the law relating to the guarding of machinery.

Concerning the safety of elevators, I find these also well attended to in nearly all instances. In some few cases I have found it necessary to call attention to some fault, which being immediately remedied in my presence, or before I left the place, has rendered it unnecessary to report any orders given.

Most of the factories are well supplied with means of egress, and the proprietors are particular to see that doors are readily opened from the inside.

Besides the inspection of factories, etc., my duties also call upon me to see that the law in chapter 307, Acts of 1890, providing for the better protection of human life in hotels in case of fire, is complied with. It is generally observed except when there has been a change in proprietorship. In such instances it has been through ignorance of the law that caused the lack of attention. In most of the small towns there are no inspectors of buildings or engineers of fire department. Many of these same small towns have large hotels, which do not receive any inspection with the exception of what the State inspector gives under the above law. The selectmen do not understand that they should perform the duty of chief engineer, and so make no report.

In conclusion, I will say that all manufacturers have shown a willingness to comply with every requirement, and are anxious to keep posted on what is required of them, asking year by year for the new inspection laws.

I have heard an employee say that he considered the inspectors benefactors of the employee, and I feel the work done has been of benefit to both employer and employed.

DISTRICT No. 10, JAMES R. HOWES, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
ADAMS.								
Berkshire Cotton Co., No. 2,	Cotton cloth,	40	—	—	Good,	None,	—	
Berkshire Cotton Co, No 1,	Cotton cloth,	190	210	—	Good,	Post time notices,	Complied.	
L. L. Brown Paper Co.,	Ledger papers,	60	50	—	Good,	None,	—	
Renfrew Manuf'g Co., No. 1,	Ginghams,	33	44	—	Good,	Guard belts and drums,	Complied.	
W. C. Plunkett & Sons,	Cotton yarns,	59	36	—	Good,	None,	—	
Adams Machine Co.,	Machinery,	4	—	—	Good,	Guard fly-wheel,	Complied.	
Renfrew Manuf'g Co., No. 2,	Ginghams,	345	229	—	Good,	Repair elevator gates,	Complied.	
B. T. Phillips & Sons,	Woolen yarns,	26	4	—	Good,	None,	—	
Greylock, No. 2,	Cotton yarns,	9	10	—	Good,	None,	—	
Adams Bros. Manuf'g Co.,	Cotton yarns,	45	24	—	Good,	None,	—	
Eli Reeves,	Lumber and finish,	4	—	—	Good,	Guard band-saw,	Complied.	
Renfrew Manuf'g Co., No. 5,	Table cloths,	40	40	—	Good,	Guard fly-wheel,	Complied.	
Linett Shirt Co.,	Gent's shirts,	18	34	—	Good,	None,	—	
W. C. Plunkett & Sons, No. 2,	Cotton yarns,	15	8	—	Good,	None,	—	
Berkshire Cotton Co, No. 1,	Cotton cloth,	225	190	—	Fair,	Sanitary,	Complied.	
Renfrew Manuf'g Co., No. 5,	Table cloths,	53	45	—	Good,	None,	—	
W. C. Plunkett & Sons, No. 1,	Cotton yarns,	65	30	—	Good,	Post time notice,	Complied.	
Adams Light & Power Co.,	Electric power,	12	—	—	Good,	Guard belt and fly-wheel,	Complied.	
Renfrew Manuf'g Co, No. 1,	Ginghams,	75	30	—	Good,	None,	—	
Adams Bros. Manuf'g Co.,	Cotton yarns,	22	8	—	Good,	Certificates,	Complied.	

DISTRICT No. 10 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliance.	
		Males.	Females.	Under 14.				14 to 16.
ADAMS — Concluded.								
H. J. Arnold, . . .	L u m b e r and shingles.	15	—	—	Good, .	None, . . .	—	
M. P. Richmond, . . .	Flour and feed, .	4	—	—	Good, .	None, . . .	—	
Allen Iron Works, . . .	Cotton machinery,	8	—	—	Good, .	None, . . .	—	
ASHFIELD.								
Ashfield Creamery, . . .	Butter, . . .	6	—	—	Good, .	None, . . .	—	
Thayer & Cook, . . .	Wooden wares, .	10	—	1	Good, .	Children's certificates, . . .	Complied.	
BECKET.								
Union Mill, . . .	Wall paper, .	15	3	—	Good, .	Guard shafting, . . .	Complied.	
Becket Silk Co., . . .	Silk braid, . . .	4	14	—	Good, .	Guard shafting, . . .	Complied.	
M. E. Ballou, . . .	Wood baskets, .	25	—	—	Good, .	Post time notices; children's certificates.	Complied.	
BUCKLAND.								
Lamson Goodnough Manuf'g Co.,	Table cutlery, .	228	12	—	Good, .	None, . . .	—	
H. A. Bowen, . . .	Paper boxes, .	2	10	—	Good, .	None, . . .	—	
Prentiss & Wilbur, . . .	Lumber, . . .	4	—	—	Good, .	Guard belts, . . .	Complied.	
C. E. Ward, . . .	Flour and feed, .	6	—	—	Good, .	Guard shafting, . . .	Complied.	
Edward Kenney, . . .	Lumber, . . .	6	—	—	Good, .	Guard belts, . . .	Complied.	
Shelburne Falls Creamery, . . .	Butter, . . .	6	—	—	Good, .	None, . . .	—	
J. A. Richmond, . . .	Sash and doors, .	4	—	—	Good, .	None, . . .	—	

CHESHIRE.

A. S. Farnum & Bros.,
Berkshire Glass Sand Co., Upper
Mill.
Berkshire Glass Sand Co., Lower
Mill.
Cheshire Cheese Co.,
W. B. Deane,

Lime, . . .
Glass sand, . . .
Glass sand, . . .
Cheese, . . .
Lumber, . . .

40
12
6
6
10

—
—
—
—
—

—
—
1
—
—

Good,
Good,
Good,
Good,
Good,

None,
None,
None,
None,
None,

—
—
—
—
—

CONWAY.

Tucker & Cook Manufacturing
Co., No. 1
Tucker & Cook Manufacturing
Co., No. 2.
Eldredge & Peck,

Cotton yarns,
Cotton yarns,
Cotton yarns,

28
6
5

17
14
2

6
2
—

Good,
Good,
Good,

None,
None,
None,

—
—
—

CLARKSBURG.

J. H. Bellows,
F. W. Wellsby Estate,
Linwood Mills,
George Hall,
Linwood Mills,

Box boards,
Flour and feed,
Woollen cloth,
Packing boxes,
Woollen cloth,

5
4
105
4
107

—
—
55
—
58

Good,
Good,
Good,
Good,
Good,

Guard shafting,
None,
None,
None,
Children's certificate,

—
—
8
—
8

Complied.
—
—
—
Complied.

COLERAIN.

Griswoldville Manuf'g Co., No. 2,
Canedy & Field,
T. W. Purington,
Griswoldville Manuf'g Co., No. 1,
W. H. Carey,

Print cloths,
Cotton yarn,
Butter boxes,
Light cottons,
Beehives,

65
23
4
60
6

45
22
—
40
—

9
10
—
8
—

Good,
Good,
Good,
Good,
Good,

None,
Children's certificates,
None,
None,
None,

—
—
—
—
—

Complied.
—
—
—
—

DISTRICT No. 10 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
CHARLEMONT.							
Preston Baker,	Flour and feed, .	8	—	—	Good, .	None, .	—
F. Ferry Manufacturing Co., .	Wooden spools, .	17	—	—	Good, .	Post time notice, .	Complied.
Louis Hall,	Chair stocks, .	10	—	—	Good, .	None, .	—
DALTON.							
Old Berkshire Mills,	Writing and ledger paper.	55	77	—	Good, .	Elevator safety device; guard gears,	Complied.
Dalton Shoe Co.,	Ladies' shoes, .	104	49	—	Good, .	None, .	—
Renfrew Manuf'g Co., No. 4, .	Cotton yarns, .	16	16	—	Good, .	None, .	—
S. Glennon & Sons' Upper Mill, .	Woollen cloth, .	45	25	—	Good, .	Additional closets, .	Complied.
S. Glennon & Sons' Lower Mill, .	Woollen cloth, .	16	13	—	Good, .	Post time notice, .	Complied.
Byron Weston Paper Co., Defiance Mill.	Ledger paper, .	36	19	—	Good, .	None, .	—
Byron Weston Paper Co., Centennial Mill.	Ledger papers, .	19	19	—	Good, .	None, .	—
Byron Weston Paper Co., Stock House.	Cut rags,	4	90	—	Good, .	None, .	—
Z. & W. M. Crane,	Letter paper, .	60	113	—	Good, .	None, .	—
Crane & Co., Stone Mill, . . .	Government bond paper.	30	20	—	Good, .	None, .	—
Z. & W. M. Crane,	Packing boxes, .	4	—	—	Good, .	None, .	—

DEERFIELD.

S. S. Sprague & Co., . . .	Grain elevator, . . .	10	—	—	Good, . .	Guard belts and fly-wheel, . .	Complied.
J. B. Bridges & Co., . . .	Lumber and flour, . .	8	—	—	Good, . .	None, . . .	—
Waylie & Russell Manuf'g Co., . .	Light hardware, . .	155	—	—	Good, . .	None, . . .	—

IRVING.

Miller's Falls Manufacturing Co., .	Light hardware, . .	160	2	—	Good, . .	Guard fly-wheel, . .	Complied.
Miller's Falls Manuf'g Co., No. 2, .	Wooden-ware, . .	14	4	—	Good, . .	None, . . .	—
Miller's Falls Manufacturing Co., .	Lumber, . . .	4	—	—	Good, . .	None, . . .	—
Washburn & Heywood, . . .	Wood chairs, . .	60	—	—	Good, . .	Post time notice, . .	Complied.
Washburn & Eddy, . . .	Chair stock, . .	6	—	—	Good, . .	None, . . .	—
N. A. Rankin, . . .	Chair stock, . .	6	—	—	Good, . .	None, . . .	—
Farley Paper Co., . . .	Card-board, . .	30	—	—	Good, . .	Guard belts and gears, . .	Complied.
Orange Knitting Co., . . .	Knit goods, . .	1	19	—	Good, . .	Children's certificate, . .	Complied.

GILL.

Turner's Falls Lumber, . . .	Lumber, . . .	50	—	—	Good, . .	Guard shafting, . .	Complied.
New England Fibre Co., . . .	Paper pulp, . .	22	—	—	Good, . .	None, . . .	—

GREENFIELD.

Charles Wood, . . .	Paper boxes, . .	1	5	—	Good, . .	Children's certificates, . .	Complied.
Goodell Bros., . . .	Light hardware, . .	16	2	—	Good, . .	Guard elevator opening and shafting, . .	Complied.
Cutler, Lyons & Field, . . .	Shoes, . . .	160	90	—	Good, . .	Children's certificates, . .	Complied.
Chas. R. Field, . . .	Baby carriages, . .	16	—	—	Good, . .	None, . . .	—
B. B. Noyes, . . .	Garden tools, . .	11	—	—	Good, . .	None, . . .	—
T. Morey & Son, . . .	Electrotype printers, . .	9	16	—	Good, . .	None, . . .	—
A. F. Towle & Son Co., . . .	Silverware, . .	124	16	—	Good, . .	None, . . .	—
T. N. Austin, . . .	Wood mouldings, . .	6	—	—	Good, . .	Children's certificates, . .	Complied.
Nichols Bros., . . .	Butchers' cutlery, . .	19	1	—	Good, . .	Post time notice, . .	Complied.
Goodell Bros., . . .	Light hardware, . .	15	—	—	Good, . .	None, . . .	—

DISTRICT No. 10 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
GREENFIELD — <i>Concluded.</i>							
C. R. Field & Son, . . .	Baby carriages, .	18	—	—	—	Good, .	None, .
G. C. Hall Co., . . .	Shoes, . . .	18	24	—	3	Good, .	None, .
Warner Manufacturing Co, . .	Carriage hardware.	52	2	—	1	Good, .	Post time notice, .
Cutler, Lyons & Field, . .	Shoes, . . .	85	40	—	4	Good, .	None, .
Dudley Box Co., . . .	Lock corner boxes, .	11	—	—	3	Good, .	None, .
Rugg Manufacturing Co., . .	Rakes and snow shovels.	25	—	—	3	Good, .	Children's certificates, .
Stratton Bros., . . .	Wood levels, .	6	—	—	—	Good, .	Guard fly-wheel, .
T. Morey & Son, . . .	Electrotype printers.	3	18	—	—	Good, .	None, .
Green River Mills, . . .	Flour and feed, .	4	—	—	—	Good, .	None, .
Franklin County Lumber Co., .	Wood finish, .	6	—	—	—	Good, .	None, .
Emil Weisbrod & Son, . . .	Pocket-books, .	17	28	—	—	Good, .	None, .
V. J. Reice, . . .	Blacksmiths' tools, .	4	—	—	—	Good, .	None, .
Wells Bros., . . .	Blacksmiths' tools, .	79	1	—	1	Good, .	None, .
George C. Hall Co., . . .	Shoes, . . .	26	15	—	1	Good, .	Children's certificates, .
Charles Wing, . . .	Wood patterns, .	4	—	—	—	Good, .	None, .
GREAT BARRINGTON.							
Everett Woollen Co., . . .	Woollen cloth, .	122	78	—	8	Good, .	None, .
Monument Mills, No. 1, . .	Bed spreads, .	25	125	—	9	Good, .	None, .

Monument Mills, No. 2,	Bed spreads,	95	31	—	9	Good,	None,	children's certificates,	—
Monument Mills, Upper Mill,	Cotton yarns,	278	192	3	17	Good,	Guard belts,	Complied.	—
Owen Paper Co.,	Letter paper,	20	50	—	2	Good,	None,	—	—
C. S. Brewer,	Sash and doors,	25	1	—	—	Good,	None,	—	—
Richmond Iron Works,	Pig iron,	15	—	—	—	Good,	None,	—	—
Great Barrington Electric Co.,	Power and light,	4	—	—	—	Good,	None,	—	—
HAWLEY.									
Thomas Eldredge,	Shingles,	4	—	—	—	Good,	None,	—	—
E. J. Crandall,	Chair stock, and flour and feed.	5	—	—	—	Good,	None,	—	—
HINSDALE.									
Hinsdale Bros., No. 1 Mill,	Woollen cloth,	160	70	—	12	Good,	None,	—	—
Hinsdale Bros., No. 3 Mill,	Woollen cloth,	20	—	—	—	Good,	None,	—	—
Hinsdale Bros., No. 2 Mill,	Woollen cloth,	55	42	—	8	Good,	None,	—	—
LEE.									
William Gray & Sons,	Dressed marble,	47	—	—	3	Good,	Children's certificates,	—	—
Gross Bros.,	Block and sawed marble.	70	—	—	—	Good,	None,	—	—
Benton Bros.,	Blotting paper,	11	13	—	—	Good,	None,	—	—
A. M. Eaton Paper Co.,	Cardboard,	8	4	—	—	Good,	Post time-notice,	Complied.	—
Baird Bros.,	Blotting paper,	12	4	—	—	Good,	Guard shafting,	Complied.	—
George K. Baird,	Paper pulp,	6	—	—	—	Good,	None,	—	—
Congress Mill,	Paper pulp,	8	2	—	—	Good,	None,	—	—
Thistle Wire Works,	Wire cloth,	17	3	—	—	Good,	None,	—	—
J. M. Howke,	Gent's shirts,	2	6	—	—	Good,	None,	—	—
Spencer & Clarke,	Paper machinery,	10	—	—	—	Good,	None,	—	—
Smith Paper Co.,	Manilla paper,	21	16	—	—	Good,	None,	—	—
Eaton & Dikeman,	Blotting paper,	25	15	—	—	Good,	Repair elevator,	Complied.	—
Smith Paper Co, Eagle Mills,	Copying paper,	13	9	—	—	Good,	None,	—	—

DISTRICT NO. 10 — Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
LEE — Concluded.								
Smith Paper Co., Centennial Mill,	Paper pulp, .	11	—	—	—	Good, .	None, .	—
Smith Paper Co., Valley Mill, .	Manilla and news paper.	60	12	—	—	Good, .	Guard drums, .	Complied.
Smith Paper Co., Niagara Mills, .	Paper pulp, .	9	—	—	—	Good, .	None, .	—
H B. & S. May,	Bristol board, .	15	20	—	—	Good, .	None, .	—
Hulburt Paper Co.,	Writing papers, .	185	135	—	—	Good, .	None, .	—
LENOX.								
James Clifford,	Wood finish, .	208	—	—	—	Good, .	Guard shafting and fly-wheel, .	Complied.
Westinghouse Power & Light Co., .	Electric light and power.	4	—	—	—	Good, .	None, .	—
LEVERETT.								
Ferry & Gates,	Wood boxes, .	44	1	—	2	Good, .	Time notice; children's certificate, .	Complied.
LANESBOROUGH.								
Berkshire Glass Works (upper mill).	Window glass, .	4	—	—	—	Good, .	None, .	—
Berkshire Glass Works (main mill).	Window glass, .	72	—	—	1	Good, .	None, .	—

LEYDEN.

Campbell & Son,	Lumber and shingles.	4	—	—	Good, .	None,	. . . . .	. . . . .	—
MONTAGUE.									
Turner's Falls Cotton Co.,	Light cotton cloth,	70	105	—	12	Good, .	None,	. . . . .	—
Turner's Falls Paper Co.,	News paper,	73	7	—	8	Good, .	Post time notice,	. . . . .	—
Keith Paper Co.,	Letter paper,	80	100	—	1	Good, .	None,	. . . . .	Complied.
John E. Russell Cutlery Co.,	Cutlery,	650	75	—	43	Good, .	None,	. . . . .	—
Miller's Falls Manufacturing Co.,	Lumber,	6	—	—	—	Good, .	None,	. . . . .	—
Montague City Rod Co.,	Fishing tackle,	30	44	—	—	Good, .	None,	. . . . .	—
Clark Machine Co.,	Paper machinery,	20	—	—	—	Good, .	None,	. . . . .	—
Montague Paper Co.,	News paper,	165	30	—	—	Good, .	None,	. . . . .	—
John E. Russell Cutlery Co.,	Cutlery,	510	64	2	52	Good, .	Children's certificates,	. . . . .	Complied.
Montague Creamery,	Butter,	6	—	—	—	Good, .	None,	. . . . .	—
Turner's Falls Cotton Co.,	Sheeting,	50	100	—	10	Good, .	None,	. . . . .	—
MONROE.									
James Ramage Paper Co.,	Wood pulp,	29	—	—	—	Good, .	None,	. . . . .	—
James Ramage Paper Co.,	Cardboard,	16	—	—	—	Good, .	None,	. . . . .	—
Warren Tower,	Lumber,	2	—	—	—	Good, .	None,	. . . . .	—
Whitcomb & Mafford,	Chair stock,	3	—	—	—	Good, .	None,	. . . . .	—
W. H. Allen & Son,	Lumber,	6	—	—	—	Good, .	None,	. . . . .	—
NORTH ADAMS.									
E. J. Cary,	Cut rags,	7	29	—	4	Good, .	None,	. . . . .	—
Caneby & Wilkinson,	Shoes,	145	80	—	12	Good, .	Guard opening to elevator,	. . . . .	Complied.
Arnold Print Works,	Print cloth,	770	122	—	27	Good, .	None,	. . . . .	—
Greylock Manufacturing Co.,	Ginghams,	225	200	—	26	Good, .	None,	. . . . .	—

DISTRICT No. 10 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
NORTH ADAMS — Concluded.								
W. G. Cady & Co.,	Shoes,	105	60	—	9	Good, .	Guard shafting, .	Complied.
W. G. Cady & Co.,	Shoes,	56	195	—	31	Good, .	None,	—
Gallup & Houghton, Beaver Mills,	Print cloth,	56	64	—	13	Good, .	None,	—
Gallup & Houghton, Eclipse Mills,	Print cloth,	58	90	—	17	Good, .	None,	—
R. L. Nichols & Co.,	Belting and roll covering,	6	—	—	—	Good, .	None,	—
James Hunter Machine Co., .	Woollen machinery,	145	1	—	3	Good, .	Post time notice; children's certificates,	Complied
Greylock Mills, No. 1, . . .	Ginghams,	237	143	—	29	Good, .	Children's certificates,	Complied.
D. W. Rising,	Paper boxes,	6	12	—	—	Good, .	None,	—
Windsor Print Co., Eagle Mills, .	Print cloths,	44	51	—	8	Good, .	None,	—
Johnson Manufacturing Co., . .	Ginghams,	210	180	—	25	Good, .	Guard belts,	Complied.
C. T. Sampson's Manuf'g Co, . .	Shoes,	250	225	—	33	Good, .	Post time notice,	Complied.
Barber Leather Co.,	Russet leather,	30	—	—	—	Good, .	Guard belts,	Complied.
Dunbar Mills,	Ginghams,	4	—	—	—	Good, .	None,	—
H. T. Cady,	Shoes,	120	80	—	11	Good, .	Guard belts,	Complied.
W. E. Snider & Co.,	Kindling wood,	6	—	—	—	Good, .	Guard shafting and engine,	Complied.
E. R. Hayden,	Paper boxes,	3	7	—	—	Good, .	None,	—
North Adams Manufacturing Co.,	Woollen cloth,	140	70	1	6	Good, .	Repair elevator clutch,	Complied.
W. G. Cady & Co.,	Shoes,	270	170	—	22	Good, .	None,	—
E. J. Cary,	Cut rags,	12	28	—	2	Good, .	None,	—

Canedy & Wilkinson, . . .	Shoes, . . .	105	85	1	14	Good, .	Additional closets; children's certificates.	Complied.
Windsor Print Co (main mill), .	Print goods, .	400	75	—	34	Good, .	None, .	—
E. A. Rand, . . .	Flour and feed, .	11	—	—	—	Good, .	Guard belts and gears, .	Complied.
Gallup & Houghton, Eclipse Mill, .	Print cloths, .	64	84	—	16	Good, .	None, .	—
Windsor Print Co., Eagle Mill, .	Print cloths, .	32	62	—	11	Good, .	Guard fly-wheels, .	Complied.
Windsor Print Co., Estey Mill, .	Print cloths, .	5	25	—	6	Good, .	None, .	—
Windsor Print Co., Stone Mill, .	Print cloths, .	4	23	—	—	Good, .	Repair guards, .	Complied.
N. L. Millard & Co., . . .	Shoes, . . .	52	112	—	20	Good, .	None, .	—
Advance Print Works, . . .	Job printing, .	6	4	—	1	Good, .	Post time-notice, .	—
Bartlett Bros., . . .	Sash and doors, .	54	—	—	—	Good, .	None, .	—
North Adams Transcript Co., .	Job printing, .	14	—	—	—	Good, .	None, .	—
W. R. Clark, . . .	Laundry, . . .	4	2	—	—	Good, .	None, .	—
R. L. Henry, . . .	Laundry, . . .	4	6	—	—	Good, .	None, .	—
H. T. Cady & Co., . . .	Shoes, . . .	108	87	—	14	Good, .	Children's certificates, .	Complied.
Advance Print Works, . . .	Job printing, .	9	2	—	1	Good, .	Children's certificates, .	Complied.
F. A. Walker & Co., . . .	Flour and feed, .	8	—	—	—	Good, .	None, .	—
T. E. Brigham, . . .	Brushes, . . .	6	—	—	—	Good, .	None, .	—
Johnson Manufacturing Co., .	Ginghams, . . .	140	120	—	14	Fair, .	Sanitary condition and designate closets.	Complied.
NORTHFIELD.								
F. A. Webster, . . .	Wood turning, .	11	—	—	2	Good, .	Children's certificates; guard belts,	Complied.
ORANGE.								
Orange Mills, . . .	Wooden boxes, .	48	3	—	5	Good, .	Guard pumps, .	Complied.
J. B. Reynolds, . . .	Shoes, . . .	239	88	—	20	Good, .	None, .	—
Home Sewing Machine Co. (main mill).	Sewing machines, .	421	—	—	—	Good, .	None, .	—
Home Sewing Machine Co. (lower mill).	Sewing machines, .	25	—	—	—	Good, .	None, .	—
A. Potter & Co., . . .	Flour and feed, .	5	—	—	—	Good, .	None, .	—

DISTRICT No. 10 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
ORANGE — Concluded.								
Rodney Hunt Machine Co.,	Water wheels,	120	—	—	—	Good,	None,	—
Orange Journal,	Job printing,	3	2	—	—	Good,	None,	—
Leavitt Machine Co.,	Light hardware,	12	—	—	—	Good,	None,	—
George L. Lawrence,	Wood finish and boxes.	7	—	—	—	Good,	Guard drums, shafting and band-saw.	—
Orange Furniture Co.,	Furniture,	20	—	—	—	Good,	None,	—
PITTSFIELD.								
Berkshire Tack Co.,	Shoe nails,	5	—	—	1	Good,	None,	—
Bay State Laundry,	Laundry,	2	4	—	1	Good,	Children's certificates,	Complied.
Eagle Publishing Co.,	Job printing,	22	6	—	1	Good,	None,	—
Berkshire Overalls Co.,	Shirts and overalls,	10	31	—	—	Good,	None,	—
W. E. Tilson,	Woollen cloth,	180	18	—	12	Good,	Guard fly-wheel,	Complied.
Teeling Baking Co.,	Crackers,	14	2	—	1	Good,	None,	—
Pittsfield Manufacturing Co.,	Woollen yarns,	20	—	—	—	Good,	Post time notice,	Complied.
Government Mill,	Bank-note paper,	20	20	—	—	Good,	None,	—
Robbins, Kellogg & Co.,	Men's shoes,	159	55	—	3	Good,	Time notice,	Complied.
D. M. Collins, Box Shop,	Paper boxes,	10	14	—	1	Good,	None,	—
D. M. Collins, Main Mill,	Woollen knit goods.	25	175	—	3	Good,	Guard shafting,	Complied.
W. E. Tilson,	Woollen goods,	88	147	—	34	Good,	None,	—
S. N. & C. Russell,	Woollen cloth,	175	90	—	21	Good,	None,	—

Sisson & Robertson, J. L. & T. D. Peck Manufacturing Co., No. 1 Mill.	Paper boxes, Fancy shirting,	5 63	14 32	1 8	Good, Good,	None, Children's certificates; keep outside doors unlocked.	Complied.
T. L. Pomeroy, Lower Mill,	Woollen cloth,	61	37	10	Good,	Guard shafting and belts,	Complied.
T. L. Pomeroy, Upper Mill,	Woollen cloth,	117	126	—	Good,	None,	—
Cheshire Shoe Co.,	Shoes,	90	56	8	Good,	None,	—
A. H. Rice & Co.,	Sewing silk,	32	72	17	Fair,	Post time notice; guard shafting,	Complied.
Pittsfield Manufacturing Co.,	Woollen yarns,	17	—	—	Good,	None,	—
W. E. Tilson,	Woollen cloth,	179	18	4	Good,	Post time notice,	Complied.
Robbins & Gamwell,	Steam fitters,	25	—	—	Good,	None,	—
Pontoosuc Woollen Co.,	Woollen blankets,	155	120	17	Good,	Guard gears and shafting,	Complied.
Wilson & Horton, Upper Mill,	Woollen cloth,	200	125	20	Good,	Designate closets,	Complied.
Wilson & Horton, Lower Mill,	Woollen cloth,	54	21	12	Good,	Guard shafting and fly-wheel,	Complied.
Chatham Furnace Co.,	Iron ore,	8	—	—	Good,	None,	—
Shaker Mills,	Flour and feed,	6	—	—	Good,	None,	—
C. H. Smith,	Wood finish,	40	—	—	Good,	None,	—
W. E. Tilson, Sternsville,	Woollen cloth,	174	15	—	Good,	None,	—
T. L. Pomeroy,	Woollen cloth,	44	60	—	Good,	None,	—
Z. A. Ward,	Wood finish,	9	—	—	Good,	None,	—
Bellair Mills,	Woollen yarns,	15	8	—	Good,	None,	—
Berkshire Overall Co.,	Shirts and overalls,	9	27	—	Good,	None,	—
Stanley Electric Manuf'g Co.,	Electrical goods,	129	3	2	Good,	Children's certificates,	Complied.
Robbins & Kellogg,	Shoes,	60	60	3	Good,	None,	—
D. M. Collins Box Co.,	Paper boxes,	12	14	3	Good,	Children's certificates,	Complied.
D. M. Collins & Co.,	Knit shirts and drawers,	12	228	6	Good,	None,	—
C. E. Van Etten,	Laundry,	4	4	—	Good,	Post time notice,	Complied.
Sunday Morning Call,	Job printing,	6	2	—	Good,	Designate closet,	Complied.
Berkshire Eagle,	Job printing,	19	5	1	Good,	Guard belts and designate closets,	Complied.
J. L. & T. D. Peck, Upper Mill,	Cotton flannels,	115	25	8	Good,	Guard shafting,	Complied.

DISTRICT NO. 10 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
PITTSFIELD — <i>Concluded.</i>								
Wilson & Horton, Lower Mill,	Woollen cloth,	52	58	—	9	Poor,	Sanitary condition; children's certificates.	Complied.
A. H. Rice & Co.,	Sewing silk,	35	75	—	14	Fair,	Guard shafting,	Complied.
S. N. & C. Russell Manuf'g Co.,	Woollen cloth,	171	60	—	14	Good,	None,	—
Wahconah Mills,	Flour and feed,	6	—	—	—	Good,	None,	—
Morse Bros.,	Silver plates,	8	—	—	—	Good,	None,	—
SHELburne.								
Mahew & Walkins,	Sewing silk,	12	37	—	7	Good,	None,	—
Lamson, Goodbrough & Co.,	Table cutlery,	13	1	—	2	Good,	Guard shafting,	Complied.
H. H. Mahew Co.,	Light hardware,	26	—	—	1	Good,	None,	—
Mahew & Walkins,	Sewing silk,	10	41	—	6	Good,	None,	—
STOCKBRIDGE.								
Charles O. Callender,	Wrapping paper,	37	5	—	—	Good,	Post time notice,	Complied.
WILLIAMSTOWN.								
Boston Furnishing Co.,	Finished cloth,	12	—	—	—	Good,	None,	—
Green River Mills,	Flour and feed,	4	—	—	—	Good,	None,	—
William Hodge,	Grain elevator,	8	—	—	—	Good,	None,	—
Boston Finishing Co.,	Finished cloth,	35	—	—	1	Good,	Children's certificates,	Complied.

J. M. Hodge & Co.,	Flour and feed,	6	90	—	—	Good, .	None,	.	.	.	.	.	—
Williamstown Manuf'g Co.,	Print cloth, .	95	—	—	22	Good, .	None,	.	.	.	.	.	—
R. R. Coles, .	Lumber and boxes,	6	—	—	—	Good, .	None,	.	.	.	.	.	—
Patrick Laley, .	Lumber, .	3	—	—	—	Good, .	None,	.	.	.	.	.	—
WINDSOR.													
H. L. Allen's Estate, .	Broom handles, .	6	—	—	2	Good, .	Guard belt ; time notice ; children's certificates.	.	.	.	.	.	—

*Report of Elevators Inspected.*DISTRICT No. 10. JAMES R. HOWES, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Con- dition.	Orders Given.	Com- pli- ances.
Adams.				
Berkshire Cotton Co., . . .	4	Good,	None.	-
W. C. Plunkett & Sons, . . .	2	Poor,	Repair gates; new cable,	Complied.
Buckland.				
Lamson, Goodnough & Co., . .	4	Good,	None.	-
Conway.				
Tucker & Cook Manufact'g Co.,	1	Good,	None.	-
Colerain.				
Griswoldville Manufacturing Co.,	2	Good,	None.	-
Dalton.				
J. & W. M. Crane, . . .	4	Good,	None.	-
Byron Weston Paper Co., . . .	6	Fair,	New cable, . . .	Complied.
Old Berkshire Mills, . . .	4	Fair,	Safety device, . . .	Complied.
Irving.				
Miller's Falls Manuf'g Co., . .	1	Good,	None.	-
Greenfield.				
A. F. Towle & Son Co., . . .	2	Fair,	New cable, . . .	Complied.
Nichols Bros., . . .	1	Good,	None.	-
Warner Manufacturing Co., . .	1	Good,	None.	-
Rugg Manufacturing Co., . . .	1	Good,	None.	-
Lee.				
Smith Paper Co., . . .	8	Good,	None.	-
Eaton & Dikeman, . . .	1	Good,	None.	-
Benton Bros., . . .	1	Good,	None.	-
Hurlburt Paper Co., . . .	4	Fair,	Repair safety device,	Complied.
Montague.				
Montague Paper Co., . . .	6	Good,	None.	-
Turner's Falls Cotton Co., . .	1	Good,	None.	-
Russell Manufacturing Co., . .	4	Good,	None.	-
Keith Paper Co., . . .	4	Good,	None.	-
North Adams.				
Arnold Print Works, . . .	12	Good,	None.	-
Johnson Manufacturing Co., . .	2	Good,	None.	-
Windsor Print Co., . . .	6	Good,	None.	-
North Adams Manufact'g Co., .	1	Poor,	Safety device, . . .	Complied.
H. W. Clark, . . .	1	Good,	None.	-
Burlingame & Darby, . . .	1	Good,	None.	-
N. B. Flood, . . .	1	Good,	None.	-
C. T. Sampson Manufact'g Co., .	1	Bad,	Safety device, . . .	Complied.
W. G. Cady & Co., . . .	1	Good,	None.	-
Pittsfield.				
Pittsfield Manufacturing Co., . .	2	Bad,	Automatic self-closing gates.	Complied.
Pontoosuc Mills, . . .	2	Good,	None.	-
Robbins & Kellogg, . . .	1	Good,	None.	-
Gimlich & White, . . .	1	Good,	None.	-
Williamstown.				
Williamstown Manufact'g Co., .	1	Good,	None.	-
A. W. Hodge, . . .	1	Good,	None.	-
Boston Finishing Co., . . .	1	Good,	None.	-

REPORT OF INSPECTOR HANNAGAN.

I have the honor herewith to report to you the operations of the laws relating to the employment of labor and inspection of factories, workshops and mercantile establishments which I am directed to enforce in district No. 8.

The provisions of the law relating to the employment of children under sixteen years of age in factories, workshops and mercantile establishments are complied with in a very satisfactory manner.

There has been only one case found this year that might be considered a wilful violation of the statutes. The employment of children under fourteen years of age in such establishments is being greatly reduced year by year, more especially since the enactment of the law requiring a school attendance of thirty instead of twenty weeks each year for such children. The tendency is to employ only those over fourteen years of age. The majority of those under fourteen were found employed during vacation of the public schools only. That the tendency of this law is to reduce the number of children under fourteen employed in our factories and workshops throughout the Commonwealth there can be no doubt, and the time, in my opinion, is not far distant when it will be an exception to find a child under such age in any factory or workshop for various reasons: first, it does not pay to employ a child for so short a time as the twenty-two weeks that he is permitted to work, divided as it is into portions of from three to eight weeks that he can work continuously; again, it is better for all concerned to employ older help, as they can be made more responsible, therefore they are more reliable operatives, as they feel the necessity of doing their work well in order to keep their situations or to gain promotion.

Under the law relating to the safety of employees, the safe guards provided to protect life and limb and the precautions taken by the manufacturers to guard all such dangerous machinery tend to show that the laws have been respected.

Much time has been devoted to the interests of sanitation in factories and workshops, as the enforcement of this law is a matter of vital importance. Considerable progress has been made and good results have been accomplished under the provisions of the law, which are manifest in every instance where orders have been given to remedy the imperfections.

I have devoted much time to the enforcement of chapter 433, Acts of 1888, "An Act relating to the employment of minors, fourteen years of age or over, who cannot read or write in the

English language." This law is a good one, and is working a great benefit to the illiterate class, in whose behalf it was enacted, and to the employer as well. The law is rigidly enforced in the cities and in a number of the larger towns in my district. The teachers of the evening schools report a large and regular attendance, and a greater interest manifested among the pupils.

The law regulating the hours of labor for women and children in manufacturing and mechanical establishments, known as the "fifty-eight-hour law," is working satisfactorily in this district. I have received but one complaint of its violation, which I reported to you, and the case was brought to court, and you were present at the trial.

The elevators in this district have been examined carefully, and in all cases where there were no safety devices, and also where the devices were old and out of order, the owners were notified, and they willingly made repairs. The elevator wells have been guarded with self-closing hatches, automatic gates or bars.

Agreeably to your instructions in relation to the guarding of machinery, I have taken particular pains to have the set-screws on the shafting countersunk or protected, as they have been the cause of a great many accidents. Orders have been given to guard dangerous parts of machinery, and, as a general thing, belting gearing and other portions requiring protection are well attended to.

I have had a few complaints in regard to violations of the recently enacted law, chapter 386, Acts of 1893, which went into effect August 1 of the present year, regulating the hours of labor for certain employees of street-railroad companies, which provides that a day's work for all conductors, drivers and motormen shall not exceed ten hours' work, to be performed within twelve consecutive hours, and upon investigation I found the cause due to a misapprehension of the intent of said law. At present there is no friction, and I am pleased to say the law is complied with.

The remainder of the inspection laws which have been placed in my charge to enforce have been cheerfully complied with, and I can gladly add my testimony to that of others in saying that the manufacturers, superintendents and all others in authority have shown a marked willingness to comply with all of my suggestions.

DISTRICT No. 8,

PAUL HANNAGAN, *Inspector.*

NAME OF FACTORY OF WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
AMESBURY.							
Merrimack Hat Co., . . .	Wool and fur hats,	140	70	10	Fair, .	Keep certificates; post time-tables,	Complied.
Amesbury Shoe Co., . . .	Boots and shoes, .	94	46	4	Good, .	None, . . .	—
Adams & Pettengill, . . .	Boots and shoes, .	100	50	7	Good, .	Post time-tables; keep certificates; guard set-screws.	Complied.
Amesbury Carriage Co., . .	Carriages, . . .	72	3	—	Good, .	Safety devices on two elevators, .	—
Atwood Manufacturing Co., .	Carriage lamps, .	96	4	—	Good, .	Guard belts and pulleys; guard set- screws; post time-tables.	Complied.
S R. Bailey & Co., . . .	Carriages and sleighs.	100	—	—	Good, .	Guard set-screws; post time-tables,	Complied.
T. W. Lane,	Carriages and sleighs.	30	—	—	Good, .	None,	—
J. H. Clark & Co., . . .	Carriages, . . .	55	3	—	Good, .	Post time-tables,	Complied.
Hamilton Woollen Co., . . .	Cottons, . . .	305	425	70	Good, .	Guard fly-wheel and set-screws; keep certificates.	Complied.
Kendall, Lunt & Co., . . .	Carriage bodies, .	30	—	—	Good, .	None,	—
C. W. Long & Co., . . .	Carriages, . . .	40	1	—	Good, .	Post time-tables,	Complied.
Folger & Drummond, . . .	Carriages, . . .	63	2	1	Good, .	Post time-tables,	Complied.
Samuel Rowell Sons, . . .	Carriages, . . .	75	—	—	Good, .	None,	—
N. H. Folger,	Carriages, . . .	50	—	—	Good, .	None,	—
Biddle & Smart Co., . . .	Carriages, . . .	140	10	—	Good, .	Post time-tables; guard fly-wheel, .	Complied.

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
AMESBURY — Concluded.								
A. N. Parry & Co.,	Carriages,	22	—	—	Good,	None,	—	
L. Hollander,	Carriages,	14	—	—	Good,	None,	—	
Hume Carriage Co.,	Carriages,	86	4	—	Good,	Post time-tables,	Complied.	
E. M. Currier,	Carriages,	14	—	—	Good,	None,	—	
Essex Leather Co.,	Carriage leather,	20	—	—	Good,	None,	—	
G. S. Dow,	Carriages,	8	—	—	Good,	None,	—	
H. F. Chase,	Carriages,	25	—	—	Good,	None,	—	
C. H. Palmer,	Carriages,	20	—	—	Good,	None,	—	
Amesbury Electric Co.,	Electricity,	8	—	—	Good,	Guard idler,	Complied.	
G. W. England,	Machinery,	8	—	—	Good,	None,	—	
G. S. Moody,	House finish,	6	—	—	Good,	Guard belts and pulleys on Smith tenoning machine and Wood's planer.	Complied.	
Ellis Car Co.,	Street cars,	60	—	—	Good,	None,	—	
Spofford & Smart,	Carriage bodies,	50	—	—	Good,	None,	—	
Currier, Cameron & Co.,	Carriage bodies,	80	—	—	Good,	Guard elevator entrance,	Complied.	
F. S. Merrill,	Wheels,	28	—	—	Good,	Post time-table,	Complied.	
Connor Carriage Co.,	Carriages,	19	—	—	Good,	None,	—	
B. F. Lewis,	Carriages,	28	—	—	Good,	None,	—	
J. H. Shields & Co.,	Carriages,	30	1	—	Good,	Post time-tables,	Complied.	
Hassett & Hodge,	Carriages,	27	3	—	Bad,	Post time-tables; additional closet for females.	Partially.	

Briggs Carriage Co., . . .	Carriages and street cars.	150	-	-	-	Good, .	Guard set-screws, belt and pulley on Smith moulder.	Complied.
F. C. Boardman, .	Carriages, .	43	2	-	-	Good, .	Post time-tables, .	Complied.
E. S. Felch & Co., .	Carriages, .	74	1	-	-	Good, .	Post time-tables, .	Complied.
Miller Bros., .	Carriages, .	50	-	-	-	Good, .	None, .	-
W. H. Rand & Co., .	Carriages, .	8	-	-	-	Good, .	None, .	-
C. Rowell & Son, .	Carriages, .	35	-	-	-	Good, .	None, .	-
W. G. Ellis & Sons, .	Carriages, .	30	-	-	-	Good, .	None, .	-
J. T. Clarkson & Co., .	Carriages, .	35	-	-	-	Good, .	None, .	-
G. W. Bryant, .	Carriages, .	12	-	-	-	Good, .	None, .	-
Francis & Smith, .	Carriage bodies, .	33	-	-	-	Good, .	Guard fly-wheel, .	Complied.
ANDOVER.								
Marland Mills, .	Dress goods, .	125	75	-	5	Good, .	Guard set-screws, .	Complied.
Tyler Rubber Co., .	Rubber goods, .	40	85	-	4	Good, .	None, .	-
Smith & Dove Manuf'g Co., .	Linen threads, .	66	95	-	25	Good, .	None, .	-
Ballard-Vale Mills, .	Flannels, .	110	80	-	7	Good, .	Guard set-screws; keep certificates; post time-tables; discharge minor.	Complied.
Smith & Dove Manuf'g Co., .	Shoe threads, .	57	35	4	7	Good, .	None, .	-
Craighead & Kintz Co., .	Lamps and bronze goods.	175	25	1	3	Good, .	None, .	-
BRADFORD.								
Knipe Bros., .	Boots and shoes, .	115	60	-	4	Good, .	Post time-tables, .	Complied.
S. W. Lakin, .	Heels, .	16	4	-	-	Fair, .	Post time-tables, .	Complied.
J. P. Gilman & Sons, .	Wool hats, .	55	20	-	5	Good, .	Guard fly-wheel; post time-tables.	Complied.
C. H. Cox, .	Flour and meal, .	15	-	-	-	Good, .	Guard fly-wheel, belt and pulley, .	Complied.
Cummings & Co., .	Granite works, .	20	-	-	-	Good, .	None, .	-
L. C. Ring, .	Wood works, .	20	-	-	-	Good, .	Guard fly-wheel, .	Complied.
Haverhill Paper Co., .	Paper, .	40	-	-	-	Good, .	None, .	-

DISTRICT No. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
BRADFORD — <i>Concluded.</i>							
Lowell, Lawrence & Haverhill Street Railway.	Electricity, . .	45	—	—	Good, .	None, . .	—
J. H. Rogers,	Bleached leather, .	3	—	—	Good, .	None, . .	—
GEORGETOWN.							
G. W. Chaplin & Co., . .	Boots and shoes, .	41	9	—	Good, .	Guard set-screws and sewing shaft,	Complied.
C. G. Baker & Son, . .	Boots and shoes, .	5	—	—	Good, .	None, . .	—
H. E. Harriman,	Boots and shoes, .	5	—	—	Good, .	None, . .	—
Parker River Mills, . . .	Blankets,	12	4	—	Good, .	Post time-tables,	Complied.
Georgetown Boot and Shoe Co., .	Boots and shoes, .	47	3	—	Good, .	Guard set-screws,	Complied.
A. C. Noyes & Co. Corporation, .	Boots and shoes, .	70	—	—	Good, .	Post time-tables,	Complied.
W. M. Brewster,	Boots and shoes, .	80	—	—	Good, .	Post time-tables,	Complied.
GROVELAND.							
Groveland Mill, No. 1, . .	. . . . .	80	72	4	—	Guard set-screws; post time-tables,	Complied.
Groveland Mill, No. 2, . .	. . . . .	40	50	—	—	Guard set-screws; post time-tables,	Complied.
Groveland Mill, No. 3, . .	. . . . .	105	90	3	—	Guard set-screws; post time-tables,	Complied.
HAVERHILL.							
E. S. Harris,	Boots and shoes, .	25	20	—	Good, .	Post time-tables,	Complied.
W. F. Evans,	Boots and shoes, .	70	30	—	Good, .	Post time-tables,	Complied.
E. H. Emerson,	Boots and shoes, .	33	2	—	Good, .	Post time-tables,	Complied.

H. C. Sargent,	.	.	.	23	2	—	Good,	Post time-tables,	.	.	.	Complied.
W. B. Thom,	.	.	.	300	100	—	Good,	Post time-tables,	.	.	.	Complied.
W. S. Chase & Sons,	.	.	.	40	20	1	Good,	Guard sewing shaft; post time-tables.	.	.	.	Complied.
W. C. Lewis & Co.,	.	.	.	35	35	—	Good,	Post time-tables,	.	.	.	Complied.
C. Chateaufneuf,	.	.	.	—	25	—	Good,	None,	.	.	.	—
Miller Bros.,	.	.	.	3	37	—	Good,	None,	.	.	.	—
A. Barrows,	.	.	.	—	25	—	Good,	Post time-tables,	.	.	.	Complied.
Perley Weeks,	.	.	.	50	3	1	Good,	Post time-tables,	.	.	.	Complied.
I. O. Sawyer,	.	.	.	30	1	—	Good,	Post time-tables,	.	.	.	Complied.
W. C. Hardy,	.	.	.	14	—	—	Good,	Guard Worcester planer; post time-tables.	.	.	.	—*
W. H. Davis,	.	.	.	125	75	—	Good,	Post time-tables,	.	.	.	Complied.
F. H. Russ,	.	.	.	65	20	—	Good,	Post time-tables,	.	.	.	Complied.
Gale Shoe Manufacturing Co.,	.	.	.	126	46	3	Good,	Post time-tables,	.	.	.	Complied.
J. G. French,	.	.	.	12	8	—	Bad,	Post time-tables; additional closet for females.	.	.	.	Partially.
N. F. Gorman,	.	.	.	25	15	—	Good,	Post time-tables,	.	.	.	Complied.
Blake Bros.,	.	.	.	85	40	—	Good,	Post time-tables,	.	.	.	Complied.
Hodgdon & Johnson,	.	.	.	138	12	—	Good,	Post time-tables,	.	.	.	Complied.
E. C. Miller,	.	.	.	4	27	—	Good,	Post time-tables,	.	.	.	Complied.
E. A. Fitts & Co.,	.	.	.	30	—	—	Good,	Keep certificates; post time-tables,	.	.	.	Complied.
J. P. Sanborn,	.	.	.	2	23	—	Good,	None,	.	.	.	—
Stevens & Co.,	.	.	.	55	80	—	Good,	None,	.	.	.	—
Miller & Foster,	.	.	.	40	35	1	Good,	Guard fly-wheel; post time-tables,	.	.	.	Complied.
F. E. Hutchinson,	.	.	.	143	7	—	Good,	Post time-tables,	.	.	.	Complied.
H. M. Vine,	.	.	.	9	1	—	Good,	None,	.	.	.	—
A. D. Crepeau,	.	.	.	3	27	—	Good,	None,	.	.	.	—
J. K. Nute,	.	.	.	2	10	—	Good,	None,	.	.	.	—

* Owner moved.

DISTRICT No. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.				14 to 16.
HAVERHILL. — <i>Continued.</i>								
Morrill & LaBranch, . . .	Boots and shoes,	20	2	—	—	Good, .	Post time-tables; guard main pulley,	Complied.
Hunkins & Wildes, . . .	Slippers,	7	3	—	—	Good, .	Post time-tables, . . .	Complied.
L. Johnson & Son, . . .	Boots and shoes, . . .	41	4	—	—	Good, .	Post time-tables, . . .	Complied.
Bomer & Hall, . . .	Shoe trimmings, . . .	7	—	—	—	Good, .	Post time-tables, . . .	Complied.
Webster & Tabor, . . .	Boots and shoes, . . .	115	35	—	1	Good, .	Post time-tables, . . .	Complied.
J. A. Foster, . . .	Shoe stitching, . . .	1	29	—	1	Good, .	None, . . .	Complied.
S. P. Gardner, . . .	Boots and shoes, . . .	150	50	—	—	Good, .	Post time-tables, . . .	Complied.
D. O. Clark, . . .	Shoe nails, . . .	12	2	—	4	Good, .	None, . . .	Complied.
C. H. Hayes, . . .	Wood and paper boxes,	35	55	—	3	Good, .	Keep certificates; safety device on elevator.	Complied.
J. H. Winchell, . . .	Boots and shoes, . . .	400	250	—	17	Good, .	Keep certificates; post time-tables; guard set-screws.	Complied.
H. A. Hitchcock, . . .	Shoe heeling, . . .	8	—	1	—	Good, .	Post time-tables, . . .	Complied.
F. S. Howard, . . .	Slippers, . . .	3	11	—	—	Good, .	Post time-tables, . . .	Complied.
J. H. Hobson, . . .	Slippers, . . .	8	2	—	—	Good, .	None, . . .	Complied.
J. H. Murray & Co., . . .	Boots and shoes, . . .	11	1	—	—	Good, .	None, . . .	Complied.
A. L. Tappan, . . .	Boots and shoes, . . .	8	12	—	—	Good, .	Post time-tables; guard sewing shaft.	Complied.
W. L. Dow & Co., . . .	Boots and shoes, . . .	7	18	—	—	Good, .	Post time-tables, . . .	Complied.
E. O. Bullock, . . .	Cut soles, . . .	27	—	—	—	Good, .	None, . . .	Complied.
C. W. Arnold, . . .	Cut soles, . . .	30	—	—	2	Good, .	Keep certificates; post time-tables, . . .	Complied.

J. Owens, . . .	Wood and paper boxes.	30	30	—	—	Fair, .	Guard fly-wheel; post time-tables,	Complied.
J. W. Russ, . .	Boots and shoes, .	55	20	—	1	Good, .	Post time-tables, . . .	Complied.
G. H. Tilton, .	Boots and shoes, .	19	11	—	—	Good, .	Post time-tables, . . .	Complied.
F. A. Cheney, .	Heels, . . .	4	—	—	—	Good, .	None, . . .	—
D. J. Shea, . .	Boots and shoes, .	6	2	—	—	Bad, .	Additional water-closet for females; post time-tables.	Complied.
A. J. Farrington, .	Boots and shoes, .	5	4	—	—	Good, .	None, . . .	—
Wiley & Brickett, .	Boots and shoes, .	40	—	—	—	Good, .	Post time-tables; guard set-screws; repair hoisting machinery of elevator.	Complied.
E. S. Tasker, . .	Taps and heels, .	12	—	—	—	Good, .	None, . . .	—
G. W. Gilbert & Co., .	Shoe trimmings, .	31	4	—	2	Good, .	Post time-tables, . . .	Complied.
D. T. Dudley & Co., .	Shoe trimmings, .	6	12	—	—	Good, .	Post time-tables, . . .	Complied.
Appleton & Bassett, .	Boots and shoes, .	11	4	—	—	Good, .	Post time-tables, . . .	Complied.
W. H. Walker, . .	Shoe heeling, .	10	—	—	—	Good, .	None, . . .	—
J. C. Collins, . .	Shoe stitching, .	1	29	—	—	Good, .	Post time-tables, . . .	Complied.
Avery & Bartlett, .	Boots and shoes, .	5	3	—	—	Good, .	Post time-tables, . . .	Complied.
G. E. Pinkham, . .	Heels, . . .	4	3	—	—	Good, .	Post time-tables, . . .	Complied.
J. B. Atwood, . .	Shoe stitching, .	2	13	—	1	Good, .	Post time-tables, . . .	Complied.
Ross Heel Co., . .	Heels, . . .	8	2	—	1	Good, .	Post time-tables, . . .	Complied.
C. K. Fox, . . .	Boots and shoes, .	42	8	—	—	Good, .	Guard set-screws; post time-tables,	Complied.
Foss & Reynolds, .	Shoe heeling, .	16	—	—	—	Good, .	Guard set-screws, . . .	Complied.
Chesley & Rugg, .	Boots and shoes, .	30	10	—	—	Good, .	Guard set-screws and post time-tables.	Complied.
E. C. Miller, . .	Shoe stitching, .	10	47	—	—	Bad, .	Additional water-closet for females,	—*
H. S. Sprague, . .	Boots and shoes, .	50	1	—	—	Good, .	Guard set-screws; post time-tables,	Complied.
H. H. Hoyt, . .	Boots and shoes, .	30	3	—	—	Good, .	Post time-tables, . . .	Complied.
A. P. Jaques, . .	Steam power, . .	3	—	—	—	Good, .	Guard set-screws, . . .	Complied.

* Partially complied.

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
HAVERHILL — Continued.									
E. J. Donohue,	Soles and stiffen- ings.	8	—	—	Good, .	None,	—	—	
G. W. Hardy,	Shoes,	32	—	—	Good, .	Post time-tables; guard set-screws,	Complied.	Complied.	
F. E. Cressey,	Shoe stitching, .	1	6	1	Good, .	Post time-tables,	Complied.	Complied.	
A. G. Wood,	Slippers,	8	—	—	Good, .	Guard set-screws,	Complied.	Complied.	
E. C. West,	Shoe trimmings, .	6	1	—	Good, .	Post time-tables,	Complied.	Complied.	
A. J. Tilton,	Boots and shoes, .	32	16	—	Good, .	Guard set-screws; post time-tables,	Complied.	Complied.	
Twombley, Rouleau & Co., .	Boots and shoes, .	50	15	—	Good, .	Guard set-screws; post time-tables,	Complied.	Complied.	
G. B. Case,	Boots and shoes, .	14	2	—	Good, .	Guard set-screws; post time-tables,	Complied.	Complied.	
W. H. Woodbury,	Shoe stitching, .	2	15	—	Good, .	Guard set-screws,	Complied.	Complied.	
W. W. Thompson,	Heels,	2	5	—	Good, .	Post time-tables; guard set-screws,	Complied.	Complied.	
Hayes Bros.,	Boots and shoes, .	9	16	—	Good, .	Post time-tables; guard set-screws,	Complied.	Complied.	
E. E. Demerett,	Shoes,	10	—	—	Good, .	Post time-tables; guard set-screws,	Complied.	Complied.	
E. F. Lang,	Shoe stitching, .	2	28	—	Good, .	Guard set-screws,	Complied.	Complied.	
G. M. Chase,	Boots and shoes, .	28	—	—	Good, .	Guard set-screws,	Complied.	Complied.	
S. A. Tobey,	Taps and stiffen- ings.	6	—	—	Good, .	None,	—	—	
S. L. Jewett,	Taps and stiffen- ings.	6	—	—	Good, .	Guard set-screws,	Complied.	Complied.	
J. W. Evans & Co.,	Heels,	2	6	—	Good, .	Post time-tables; guard set-screws,	Complied.	Complied.	
R. B. Day,	Boots and shoes, .	100	—	—	Good, .	Guard set-screws,	Complied.	Complied.	
G. W. Webster & Co.,	Cut soles,	10	1	—	Good, .	Post time-tables; guard set-screws,	Complied.	Complied.	

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		NUMBER EMPLOYED.						
		Males.	Females.	Under 14.	14 to 16.			
HAVERHILL — Continued.								
J. Corson,	Boots and shoes, .	14	6	—	Good, .	None, .	Guard set-screws; post time-tables, .	Complied.
Tucker & Merryman,	Shoe findings, .	20	13	—	Good, .	None, .	Guard set-screws, .	Complied.
Hovey & Weeks,	Shoe lasts, .	11	—	—	Good, .	Guard set-screws, .	Guard set-screws; post time-tables, .	Complied.
Lennox & Biggs,	Dongola leather, .	96	4	—	Good, .	Guard set-screws; post time-tables, .	Guard set-screws; post time-tables; guard elevator entrance.	Complied.
G. C. How,	Boots and shoes, .	23	12	—	Good, .	Guard set-screws; post time-tables, .	Guard set-screws; post time-tables; guard elevator entrance.	Complied.
Hussey & Hodgdon,	Boots and shoes, .	35	25	—	Good, .	Guard set-screws; post time-tables, .	Guard set-screws; post time-tables; guard elevator entrance.	Complied.
W. H. Reoley,	Boots and shoes, .	8	—	—	Good, .	Guard set-screws, .	Guard set-screws, .	Complied.
A. Painchaud,	Boots and shoes, .	20	—	—	Good, .	Guard set-screws, .	Guard set-screws, .	Complied.
C. W. Blye,	Boots and shoes, .	8	6	—	Good, .	Guard set-screws, .	Guard set-screws, .	Complied.
M. A. How & Co.,	Paper boxes, .	5	35	—	Good, .	Guard set-screws, .	Guard set-screws, .	Complied.
Russ Bros,	Boots and shoes, .	37	3	—	Good, .	Guard set-screws, .	Guard set-screws, .	Complied.
Lambert, Berry & Co.,	Shoe findings, .	40	—	—	Good, .	Guard set-screws, .	Guard set-screws, .	Complied.
G. H. Cogswell & Co.,	Boots and shoes, .	60	10	—	Good, .	Guard set-screws, .	Guard set-screws, .	Complied.
Field & Thayer Manuf'g Co.,	Boots and shoes, .	335	150	—	Good, .	Guard set-screws, .	Guard set-screws, .	Complied.
Chandler & Burnham,	Taps and counters, .	34	4	—	Good, .	Guard set-screws, .	Guard set-screws, .	Complied.
Saunders Building Corporation,	Steam power, .	2	—	—	Good, .	Guard set-screws, .	Guard set-screws, .	Complied.
T. S. Ruddock & Son,	Boots and shoes, .	130	50	—	Good, .	Guard set-screws, .	Guard set-screws, .	Complied.

J. H. Cahill.	Taps, . . .	4	—	—	Good, . .	Guard set-screws, . . .	Complied.
W. S. Harriman, . .	Taps and heels, . .	3	—	—	Fair, . .	Additional water-closet; post time-tables.	Complied.
L. S. Wason, . . .	Shoe findings, . .	6	1	—	Good, . .	Post time-tables, . . .	Complied.
T. Libbey, . . .	Shoe counters, . .	4	—	—	Good, . .	Guard set-screws, . . .	Complied.
H. Pipes, . . .	Shoes, . . .	12	—	—	Good, . .	Guard set-screws, . . .	Complied.
S. B. McNamara & Co., . .	Shoes, . . .	19	1	—	Good, . .	Post time-tables; guard set-screws, . .	Complied.
Curtin, Page & Co., . .	Shoes, . . .	39	1	—	Good, . .	Post time-tables; guard set-screws, . .	Complied.
J. F. Currier & Co., . .	Shoes, . . .	14	6	—	Good, . .	Post time-tables; guard set-screws, . .	Complied.
J. H. Connor, . . .	Boots and shoes, . .	100	50	—	Good, . .	Post time-tables, . . .	Complied.
C. I. Twombly, . . .	Flexible soles, . .	2	4	—	Good, . .	None, . . .	—
Pettingill & Martin, . .	Heels, . . .	14	—	—	Good, . .	None, . . .	—
G. A. Ham, . . .	Flexible soles, . .	4	3	—	Good, . .	Post time-tables, . . .	Complied.
Croston & Proctor, . .	Heels, . . .	3	9	—	Good, . .	Post time-tables, . . .	Complied.
O. H. Pratt, . . .	Heels, . . .	4	2	—	Good, . .	Post time-tables, . . .	Complied.
Holt & Mayberry, . . .	Shoes, . . .	12	—	1	Good, . .	Post time-tables, . . .	Complied.
C. P. Hicks, . . .	Shoe stitching, . .	5	30	—	Good, . .	Guard set-screws; post time-tables, . .	Complied.
Richardson & Emery, . .	Boots and shoes, . .	12	—	—	Good, . .	Guard set-screws; post time-tables, . .	Complied.
H. A. Webster, . . .	Boots and shoes, . .	9	1	—	Good, . .	Post time-tables, . . .	Complied.
J. K. Harris, . . .	Boots and shoes, . .	5	1	—	Good, . .	Post time-tables, . . .	Complied.
E. M. Lapierre, . . .	Boots and shoes, . .	10	—	—	Good, . .	Guard set-screws, . . .	Complied.
F. A. Smith, . . .	Shoe stitching, . .	2	23	—	Good, . .	None, . . .	—
W. P. McLaughlin, . .	Boots and shoes, . .	8	4	—	Good, . .	Post time-tables, . . .	Complied.
G. A. Sampson, . . .	Boots and shoes, . .	7	—	—	Good, . .	Post time-tables; guard set-screws, . .	Complied.
Ellis & Mason, . . .	Cut soles, . . .	6	—	—	Good, . .	Post time-tables; guard set-screws, . .	Complied.
D. S. Short, . . .	Boots and shoes, . .	30	20	—	Good, . .	Post time-tables; guard set-screws, . .	Complied.
J. K. Hayes, Jr., . . .	Boots and shoes, . .	13	2	—	Good, . .	Post time-tables, . . .	Complied.
F. A. Goodell, . . .	Boots and shoes, . .	20	10	—	Good, . .	Post time-tables, . . .	Complied.
J. Huberlin, . . .	Silk embroideries, . .	4	6	—	Good, . .	None, . . .	—
H. I. Pinkham, . . .	Shoe findings, . .	9	1	—	Good, . .	Guard set-screws, . . .	Complied.
J. A. Dalrymple & Co, . .	Slipper bows, . .	3	2	—	Good, . .	Post time-tables, . . .	Complied.

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
HAVERHILL — <i>Continued.</i>								
Sumner Bros.,	Taps and counters,	22	3	—	—	Good, .	Guard set-screws; post time-tables,	Complied.
J. S. Sumner,	Counters,	4	—	—	—	Good, .	Guard set-screws; post time-tables,	Complied.
A. R. Leighton,	Boots and shoes,	11	3	—	—	Good, .	Post time-tables,	Complied.
C. C. Griffin,	Cut soles,	12	—	—	1	Good, .	Post time-tables,	Complied.
H. Merrill,	Shoe stitching,	3	47	—	—	Good, .	Post time-tables,	Complied.
J. H. Durgin & Son,	Boots and shoes,	55	30	—	1	Good, .	Guard set-screws; post time-tables,	Complied.
Corson & Chase,	Boots and shoes,	10	5	—	—	Good, .	Post time-tables,	Complied.
F. Tilton,	Shoe stitching,	2	20	—	—	Good, .	Guard set-screws; post time-tables,	Complied.
Kate M. Holden,	Shoe stitching,	3	17	—	—	Good, .	Guard set-screws; post time-tables,	Complied.
T. F. Waldron,	Soles and taps,	6	—	—	—	Good, .	Guard set-screws,	Complied.
F. N. Livingston & Co.,	Soles and taps,	25	—	—	1	Good, .	Post time-tables; guard set-screws,	Complied.
Poor & Dole,	Boots and shoes,	8	8	—	—	Bad, .	Post time-tables; additional water-closet for females.	—†
H. B. Goodrich & Co.,	Boots and shoes,	35	40	—	—	Good, .	Post time-tables; guard set-screws	Complied.
P. N. Wadleigh,	Boots and shoes,	118	17	—	1	Good, .	Post time-tables; guard set-screws,	Complied.
A. A. Ordway,	Boots and shoes,	40	10	—	—	Good, .	Post time-tables; guard set-screws,	Complied.
Woodman & Howes,	Boots and shoes,	50	25	—	—	Good, .	Post time-tables; guard set-screws,	Complied.
G. S. Smith,	Cut straw and leather board.	10	—	—	—	Good, .	Post time-tables; guard set-screws; box belts on two Hawkins dieing-out machines.	Complied.
F. H. Foss,	Boots and shoes,	6	2	—	—	Good, .	Post time-tables,	Complied.
E. E. Poor,	Boots and shoes,	40	—	—	—	Good, .	Post time-tables; guard set-screws,	Complied.

T. J. Evans, . . .	Boots and shoes, . .	9	1	—	Good, .	Post time-tables, .	. . .	Complied.
W. T. Whitier, . .	Shoe stitching, . .	2	20	—	Good, .	Post time-tables; designate water-closet.	. . .	Complied.
S. F. Godkin & Son, .	Boots and shoes, . .	22	2	1	Good, .	Post time-tables; guard set-screws,	. . .	Complied.
W. H. Gould, . . .	Boots and shoes, . .	19	6	—	Good, .	Post time-tables, . . .	. . .	Complied.
O. S. Currier, . . .	Paper boxes, . . .	10	30	—	Good, .	Guard set-screws, . . .	. . .	Complied.
Files & Forbes, . . .	Boots and shoes, . .	8	—	—	Good, .	None, . . .	. . .	—
L. A. Finney, . . .	Boots and shoes, . .	25	25	—	Good, .	Post time-tables; guard set-screws,	. . .	Complied.
Carlton & Dow, . . .	Cut soles, . . .	13	—	—	Good, .	Guard set-screws, . . .	. . .	Complied.
Smith & Childs, . . .	Boots and shoes, . .	12	—	—	Good, .	Guard set-screws, . . .	. . .	Complied.
B. Noyes & Co., . . .	Boots and shoes, . .	40	30	—	Good, .	Post time-tables; guard set-screws,	. . .	Complied.
Watson & Young, . . .	Cut soles, . . .	12	—	—	Good, .	Guard set-screws, . . .	. . .	Complied.
Griffin & George, . .	Boots and shoes, . .	150	50	—	Good, .	Guard set-screws, . . .	. . .	Complied.
J. W. Proctor, . . .	Cut soles, . . .	12	—	—	Good, .	Guard set-screws and sole-leather roller.	. . .	Complied.
W. E. Bixby & Co., . .	Cut straw and leather board.	12	—	1	Good, .	Guard set-screws, . . .	. . .	Complied.
Greene & Nicholls, . .	Cut soles, . . .	30	—	—	Good, .	Guard set-screws, . . .	. . .	Complied.
J. H. Osgood, . . .	Boots and shoes, . .	38	2	—	Good, .	Post time-tables; keep certificates; guard set-screws.	. . .	Complied.
C. E. Greenwood, . . .	Cut soles, . . .	20	—	—	Good, .	Guard set-screws and post time-tables.	. . .	Complied.
F. W. Bousley & Co., . .	Boots and shoes, . .	4	4	—	Good, .	Guard set-screws and post time-tables.	. . .	Complied.
G. H. Nichols, . . .	Boots and shoes, . .	5	2	—	Good, .	None, . . .	. . .	—
C. T. Ford, . . .	Cut soles, . . .	14	—	—	Good, .	Guard set-screws, . . .	. . .	Complied.
A. C. Ford, . . .	Boots and shoes, . .	10	5	—	Good, .	None, . . .	. . .	—
F. Keezer, . . .	Boots and shoes, . .	4	2	—	Good, .	Post time-tables, . . .	. . .	Complied.
A. S. Moore, . . .	Boots and shoes, . .	15	—	—	Good, .	None, . . .	. . .	—

* Proprietor died.

† Partially complied.

DISTRICT NO. 8—Continued.

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
HAVERHILL — Concluded.								
W. Hale,	Boots and shoes, .	2	8	—	—	Bad, .	Additional water-closet for females,	Complied.
C. W. Blye,	Boots and shoes, .	3	17	—	—	Good, .	None,	—
J. H. Fitzgerald,	Heels,	5	2	—	—	Good, .	None,	—
J. Fitzgerald,	Heels,	7	2	—	—	Good, .	None,	—
H. M. Clay & Co.,	Cut soles,	9	—	—	—	Good, .	Guard set-screws,	Complied.
Morse Bros.,	Boots and shoes, .	45	5	—	—	Good, .	Guard set-screws,	Complied.
F. L. Ricker,	Cut soles,	10	—	—	—	Good, .	Guard set screws,	Complied.
Searle & Webster,	Boots and shoes, .	105	95	—	13	Good, .	Guard set-screws,	Complied.
I Colby,	Boots and shoes, .	7	—	—	—	Good, .	Guard set-screws; post time-tables,	Complied.
S. Winter,	Shoe stitching, .	2	18	—	—	Good, .	Post time-tables,	Complied.
H. F. Blake,	Shoe tips,	23	2	—	3	Good, .	Guard sewing shaft; post time-tables; guard set-screws; keep certificates.	Complied.
W. W. Owen,	Laundry,	4	6	—	—	Good, .	Guard set-screws; post time-tables,	Complied.
Haverhill Hat Co.,	Wool and fur hats, .	140	60	—	3	Good, .	Guard crank on engine; guard set-screws; post time-tables; pay the help weekly.	Complied.
Spaulding & Swett,	Boots and shoes, .	110	40	—	2	Good, .	Post time-tables,	Complied.
W. W. Spaulding,	Boots and shoes, .	300	125	—	4	Good, .	None,	—
LAWRENCE.								
Brown & Ackroyd,	Dress goods,	17	7	—	—	Fair, .	Post time-tables; guard set-screws,	Complied.

J. W. Barlow, E. F. Lewis,	Loom pickers, Scoured wool,	25 175	— —	9 1	Fair, Good,	Guard fly-wheel and set-screws, Guard set-screws; belts and pulleys; post time-tables; safety device on elevator.	Complied. Complied.
Farwell's Bleachery,	Bleached cottons,	93	7	—	Good,	Safety device on elevator; guard belts and pulleys.	Complied.
National Fibre Board Co.,	Leather board,	20	—	—	Good,	Guard entrance to elevator and guard set-screws.	Complied.
Thomas Clegg,	Loom harnesses,	6	—	—	Good,	Guard set-screws,	Complied.
Stedman & Smith,	Machinery,	35	—	—	Good,	None,	—
Lawrence Line Co.,	Fish lines,	6	14	1	Good,	None,	—
Lawrence Dye Works,	Dyed yarns,	25	—	—	Good,	None,	—
Prospect Worsted Mills,	Worsted yarns,	61	133	16	Good,	None,	—
Merrimack Paper Co.,	Book paper,	115	35	—	Good,	Guard fly-wheel and set-screws,	Complied.
Munroe Felt and Paper Co.,	Roofing paper,	45	—	—	Good,	None,	—
J. H. Horne & Sons,	Paper mill machinery,	118	—	—	Good,	Guard butting machine; guard set-screws.	Complied.
J. H. Horne & Sons,	—	—	—	—	—	Guard belts and pulleys on grinding machine.	Complied.
J. H. Horne & Sons,	—	—	—	—	—	Guard belts and pulleys on boring mill.	Complied.
Boston & Maine R. R. Repair Shops,	General repairs,	185	—	—	Fair,	Guard fly-wheel on engine,	Complied.
Briggs & Allyn Manuf'g Co.,	House finish,	110	—	—	Good,	None,	—
Lawrence Knitting Co.,	Hosiery,	2	9	—	Good,	None,	—
Dustin Machine Co.,	Machinery,	55	—	—	Good,	Guard set-screws,	Complied.
J. McCormick & Co.,	Flyers,	8	—	—	Good,	None,	—
Lawrence Machine Co.,	Engines and pumps,	40	—	—	Good,	None,	—
J. Battles,	Machinery,	14	2	3	Good,	Post time-tables,	Complied.
Brown & Ackroyd,	Dress goods,	32	20	1	Good,	Post time-tables; guard set-screws,	Complied.

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
LAWRENCE — Continued.							
W. R. Hamilton & Co.,	Combed wool,	10	—	—	Good.	None,	Complied.
Wright Manuf'g Co.,	Braids, .	20	80	10	Good.	Guard set-screws,	Complied.
Davis Foundry Co.,	Castings, .	75	—	—	Good.	None,	Complied.
Merrimack Wool Scouring Mill,	Scoured wools,	43	2	—	Good.	Guard set-screws,	Complied.
Phillips & Kunhardt,	Woollens, .	175	80	6	Good.	Guard set-screws,	Complied.
Phillips & Kunhardt,	Woollens, .	—	—	—	Good.	Guard belts and gears on 3 cloth washers.	Complied.
Pemberton Mill Co.,	Fancy cottons,	301	426	—	Good.	Guard set-screws in twist frames and shafting.	Complied.
Lower Pacific Mills,	Dress goods,	865	1051	2	Good.	New hoisting gear on elevator in No. 5 mill.	Complied.
Atlantic Cotton Mills,	Cottons, .	346	786	15	Good.	Guard set-screws on 4 folding machines.	Complied.
Lawrence Duck Co.,	Cotton duck,	120	140	2	Bad.	Guard set-screws on gear twistlers,	Complied.
Lawrence Duck Co.,	Cotton duck,	—	—	—	—	On first and second floors.	Complied.
Lawrence Duck Co.,	Cotton duck,	—	—	—	—	Guard set-screws on spinning frames on third floor.	Complied.
Lawrence Duck Co.,	Cotton duck,	—	—	—	—	Box belt in wing of No. 1 card room.	Complied.
Lawrence Duck Co.,	Cotton duck,	—	—	—	—	Guard set-screws on brushing machines in cloth room.	Complied.

Lawrence Duck Co., . . .	Cotton duck, . . .	.	—	—	—	—	Guard set-screws on collars of shafting.	Complied.
Lawrence Duck Co., . . .	Cotton duck, . . .	.	—	—	—	—	Better sanitary arrangement in No. 1 mill.	Complied.
Globe Worsted Mills, . . .	Worsted yarns, . . .	35	55	—	7	Good.	Guard set-screws, . . .	Complied.
Josselyn Foundry, . . .	Castings, . . .	37	—	—	—	Good.	None, . . .	—
Merrimack Valley Street R.R., Lower Station.	Electricity, . . .	6	—	—	—	Good.	Guard fly-wheels and belts on 5 dynamos.	Complied.
Arlington Worsted Co., . . .	Dress goods, . . .	1210	1190	11	158	Good.	Guard belt and pulley on crabbing machine.	Complied.
Arlington Worsted Co., . . .	Dress goods, . . .	.	—	—	—	Good.	Guard belt on engine in slubbing room.	Complied.
Arlington Worsted Co., . . .	Dress goods, . . .	.	—	—	—	Good.	Guard belt and pulley on tentering machine.	Complied.
Arlington Worsted Co., . . .	Dress goods, . . .	.	—	—	—	Good.	Safety device on elevator, . . .	Complied.
Bee Five Spindle Works, . . .	Spindles, . . .	12	—	—	1	Good.	Post time-tables, . . .	Complied.
C. K. Pillsbury, . . .	Power, . . .	2	—	—	—	Good.	Guard fly-wheel, . . .	Complied.
J. H. Carter, . . .	Machinery, . . .	8	—	—	—	Good.	None, . . .	—
J. Ward, Jr., . . .	Book and job printing.	15	—	—	—	Good.	None, . . .	—
F. W. McLanathan, . . .	Roll covering, . . .	15	—	—	—	Good.	None, . . .	—
Payson & Reynolds, . . .	Laundry, . . .	4	4	—	—	Good.	Post time-tables, . . .	Complied.
Essex Box Co., . . .	Paper boxes, . . .	2	7	—	—	Good.	Post time-tables, . . .	Complied.
Pacific Yarn Mill, . . .	Cotton yarns, . . .	72	172	—	27	Good.	None, . . .	—
Briggs & Allyn Manuf'g Co., . . .	Fancy woodwork, . . .	125	—	—	—	Good.	Guard fly-wheel and set-screws, . . .	Complied.
E. B. Rhodes, . . .	Laundry, . . .	10	20	—	—	Good.	Post time-tables, . . .	Complied.
J. F. Bingham, . . .	Tin and copper ware.	50	1	—	—	Good.	Exhaust fans to carry off dust, . . .	Partially.
Pacific Print Works, . . .	Print cloths, . . .	740	137	1	33	Good.	Safety device on elevator and guard entrance to elevator.	Complied.
Everett Mills, . . .	Colored cottons, . . .	545	647	1	89	Good.	Box belts in tower of new mill, . . .	Complied.

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14. 14 to 16.			
LAWRENCE — <i>Concluded.</i>							
Stanley Manufacturing Co.,	Shoe machinery,	325	3	4	Good.	None,	—
Russell Paper Co.,	Book paper,	335	15	1	Good.	Safety device on elevator,	Complied.
Russell Paper Co.,	Book paper,	—	—	—	Good.	Guard fly-wheel,	Complied.
Russell Paper Co.,	Book paper,	—	—	—	Good.	Box belt and pulley on clay pump,	Complied.
Russell Paper Co.,	Book paper,	—	—	—	Good.	Box belt and pulley on fan pump,	Complied.
Russell Paper Co.,	Book paper,	—	—	—	Good.	Box belt and pulley on rag engine,	Complied.
Russell Paper Co.,	Book paper,	—	—	—	Good.	Box belt and pulley on rotary engine,	Complied.
Russell Paper Co.,	Book paper,	—	—	—	Good.	Box belt and pulley on water pump,	Complied.
Russell Paper Co.,	Book paper,	—	—	—	Good.	Box belts and pulleys on pumps in chemical mill.	Complied.
Russell Paper Co.,	Book paper,	—	—	—	Good.	Guard gears that drive bleach tanks,	Complied.
Russell Paper Co.,	Book paper,	—	—	—	Good.	Rail the walk in rotary-room,	Complied.
Russell Paper Co.,	Book paper,	—	—	—	Good.	Repair rail around the liquor pump,	Complied.
Russell Paper Co.,	Book paper,	—	—	—	Good.	Guard set-screws,	Complied.
Upper Pacific Mills,	Cottons,	593	752	89	Good.	Safety devices on three elevators,	Complied.
Archibald Wheel Co.,	Wheels,	35	—	—	Good.	Guard fly-wheel,	Complied.
A. B. Bruce,	Crackers and fancy biscuits.	50	—	—	Good.	None,	—
L. Sprague Co.,	Bobbins, spools and shuttles	200	—	5	Good.	Keep certificates; post time-tables,	Complied.
Burnham & Page,	Belting,	25	—	—	Good.	None,	—
American Card Clothing Co.,	Card clothing,	13	4	—	Good.	None,	—

Emerson Manufacturing Co.,	Paper mill machinery.	70	-	-	Good.	Guard belts and pulley on grinder,	Complied.
Emerson Manufacturing Co.,	Paper mill machinery.	-	-	-	Good.	Guard belts and pulleys on two Jordan engines.	Complied.
Emerson Manufacturing Co.,	Paper mill machinery.	-	-	-	Good.	Post time-tables,	Complied.
Merrimack Iron Foundry,	Castings,	30	-	-	Good.	None,	-
T. J. Hale,	Bobbins,	60	-	-	Good.	Guard belts and pulley on Wood's planer; post time-tables.	Complied.
A. Blood,	Shafting,	6	-	-	Good.	None,	-
Butler File Co.,	Files,	12	-	-	Good.	None,	-
W. H. Hanson,	Webbing,	8	2	-	Good.	Post time-tables,	Complied.
Bacon Paper Co.,	Book paper,	105	30	-	Good.	None,	-
Washington Mills,	Woolen and worsted goods.	1450	1450	-	Good.	Guard main belt and rope drive in west end on No. 3 weave-room.	Complied.
Washington Mills,	Woolen and worsted goods.	-	-	-	-	Put in a new mill beam in No 1 weave-room.	Complied.
Washington Mills,	Woolen and worsted goods.	-	-	-	-	Guard entrance to elevator in crab-room.	Complied.
MERRIMACK.							
Haverhill & Amesbury Railroad Power Station.	Electricity,	70	-	-	Good.	Guard cranks on engine,	Complied.
Haverhill & Amesbury Railroad Power Station.	Electricity,	-	-	-	Good.	Guard belts and pulleys on four dynamos.	Complied.
Merrimack Wheel and Gear Co.,	Carriage wheels,	45	-	-	Good.	Pay help weekly,	Complied.
J. B. Judkins & Sons Co.,	Carriages,	75	-	-	Fair.	Box belt and pulleys on dynamo,	Complied.
J. B. Judkins & Sons Co.,	Carriages,	-	-	-	-	Box belts and pulleys on Rogers halving machine.	Complied.
J. B. Judkins & Sons Co.,	Carriages,	-	-	-	-	Box belts and pulleys on irregular moulder.	Complied.
J. B. Judkins & Sons Co.,	Carriages,	-	-	-	-	Pay the help weekly,	Complied.

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.				14 to 16.
MERRIMACK — <i>Concluded.</i>							
C. E. Gunnison & Co., . . .	Carriages, . . .	25	—	—	Good, . .	None, . . .	—
Clement & Young, . . .	Carriages, . . .	12	—	—	Good, . .	None, . . .	—
C. H. Noyes & Son, . . .	Carriages, . . .	7	—	—	Good, . .	None, . . .	—
Means & Hopkins, . . .	Carriages, . . .	20	—	—	Good, . .	None, . . .	—
J. A. Lancaster & Co., . .	Carriages, . . .	30	—	—	Good, . .	None, . . .	—
Loud Bros., . . .	Carriages, . . .	30	—	—	Good, . .	None, . . .	—
W. O. Smiley, . . .	Carriages, . . .	9	—	—	Good, . .	None, . . .	—
S. C. Pease & Sons, . . .	Carriages, . . .	49	1	—	Good, . .	Post time-tables, . . .	Complied.
H. G. & H. W. Stevens, . .	Carriages, . . .	128	2	—	Good, . .	Guard fly-wheel and post time-tables	Complied.
Geo. Adams & Sons, . . .	Carriages, . . .	30	—	—	Good, . .	None, . . .	—
METHUEN.							
Arlington Cotton Mill, . . .	Cotton yarns, . . .	177	248	1	40	Good, . .	Complied.
Arlington Cotton Mill, . . .	Cotton yarns, . . .	—	—	—	—	Guard set-screws on fifteen winders, Guard set-screws on six reels, . .	Complied.
Arlington Cotton Mill, . . .	Cotton yarns, . . .	—	—	—	—	Box belts on drawing frames, . .	Complied.
Arlington Cotton Mill, . . .	Cotton yarns, . . .	—	—	—	—	Guard pins on bottom spindle shaft on fifty-six roving frames.	Complied.
Methuen Cotton Co., . . .	Cottons, . . .	160	265	1	13	Good, . .	Complied.
Knitted Fabric Co., . . .	Knitted fabrics, . .	40	20	—	—	Good, . .	Complied.
Briggs Wool Cleansing Co., .	Carbonized wools, .	30	—	—	—	Good, . .	Complied.

Wendell Bros.,	Woolen yarns,	18	—	—	Good, . .	Guard set-screws and post time-tables.	Complied.
J. M. Tenney,	Wool hats,	100	30	3	Good, . .	Guard set-screws,	Complied.
Klouss Shoddy Mill,	Wool shoddy,	21	24	—	Good, . .	Guard fly-wheel and post time-tables.	Complied.
MIDDLETON.							
A. P. Tyler & Co.,	Boots and shoes,	85	40	—	Good, . .	Guard sole-leather roller and skiver, . .	Complied.
A. P. Tyler & Co.,	Boots and shoes,	—	—	—	—	Guard set-screws and post time-tables.	Complied.
C. A. Rogers,	Boots and shoes,	52	38	3	Good, . .	Post time-tables and guard set-screws	Complied.
C. A. Rogers,	Boots and shoes,	—	—	—	Good, . .	Guard roller and skiver,	Complied.
C. A. Rogers,	Boots and shoes,	—	—	—	—	Keep certificates and guard elevator entrance.	Complied.
Hickey Paper Co.,	Wall paper,	60	1	1	Good, . .	Guard set-screws and post time-tables.	Complied.
Hickey Paper Co.,	Wall paper,	—	—	—	—	Keep certificates and discharge minor.	Complied.
NORTH ANDOVER.							
Sutton's Mills,	Dress goods,	66	44	3	Good, . .	Guard crank and fly-wheel,	Complied.
Sutton's Mills,	—	—	—	—	—	Guard set-screws and post time-tables.	Complied.
Sagehomme & Byers,	Worsted dress goods,	39	11	—	Fair, . .	Keep water-closet clean,	Complied.
Stevens' Mills,	Dress goods,	115	60	3	Good, . .	None,	—
North Andover Mills,	Dress goods,	65	35	1	Good, . .	Keep certificates and guard fly-wheel.	Complied.
North Andover Mills,	Dress goods,	—	—	—	—	Guard belt and pulley on cloth dryer; post time-tables.	Complied.
Davis & Furber Machine Co.,	Machinery,	788	12	5	Good, . .	None,	—
J. C. Brown & Co.,	Curled hair,	10	5	—	Good, . .	Guard fly-wheel; post time-tables, . .	Complied.

DISTRICT NO. 8 — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.	Females.	Under 14.	14 to 16.				
NEWBURY.									
Byfield Woollen Mills,	Blankets, . . .	70	20	—	3	Bad, .	Post time-tables and discharge minor.	Complied.	
Byfield Woollen Mills,	Blankets, . . .	—	—	—	—	—	Keep certificates and additional water-closet for females.	Complied.	
Pearson's Tobacco Co.,	Snuff, . . .	5	—	—	—	Good, .	Guard jack-shaft on water-wheel, .	Complied.	
J. O. Rogers, . . .	Boots and shoes, .	14	—	—	—	Good, .	None,	—	
NEWBURYPORT.									
Dodge Bros., . . .	Boots and shoes, .	100	100	—	12	Good, .	Guard set-screws and post time-tables.	Complied.	
Burley & Usher, . . .	Boots and shoes, .	138	62	—	6	Good, .	Guard set-screws and post time-tables.	Complied.	
Wilder & Clark, . . .	Boots and shoes, .	50	25	—	1	Good, .	Guard set-screws and post time-tables.	Complied.	
E. G. Moody, . . .	Boots and shoes, .	14	1	—	—	Good, .	Post time-tables,	Complied.	
E. A. Hale, . . .	Paper boxes, . . .	4	16	—	—	Good, .	Post time-tables,	Complied.	
Victor Manuf'g Co., . . .	Hardware special-ties.	12	—	—	—	Good, .	Guard set-screws,	Complied.	
Fair, Brown & Co., . . .	Horn combs, . . .	24	1	—	—	Good, .	Post time-tables and guard set-screws.	Complied.	
Newburyport Laundry,	Laundry, . . .	6	11	—	1	Good, .	Post time-tables and guard set-screws.	Complied.	

Newburyport Laundry,	Laundry,							Box belts on extractor and bosom polisher.	Complied.
E. P. Dodge Manuf'g Co.,	Boots and shoes,	500	300	—	—	30	Good,	Guard set-screws,	Complied.
Newburyport Car Manuf'g Co.,	Street cars,	125	—	—	—	—	Good,	Guard set-screws; guard belts on dynamo.	Complied.
Newburyport Car Manuf'g Co.,	Street cars,	—	—	—	—	—	—	Guard belts on tenoning machine; guard fly-wheel and main belt on engine.	Complied.
W. B. Smith,	Shoe counters,	5	—	—	—	—	Good,	Guard set-screws,	Complied.
N. D. Dodge & Bliss Co.,	Boots and shoes,	40	40	—	—	—	Good,	Guard set-screws,	Complied.
Newburyport Shoe Co.,	Boots and shoes,	125	75	—	—	3	Good,	Guard set-screws and keep outside door unlocked during working hours.	Complied.
Newburyport Biscuit Co.,	Crackers,	17	8	—	—	—	Good,	Guard set-screws and post time-tables.	Complied.
Towle Manuf'g Co.,	Silverware,	209	39	—	—	—	Good,	Guard set-screws,	Complied.
C. E. Coffin & Co.,	Wool and fur hats,	158	17	—	—	14	Good,	Guard set-screws and belts and pulley on all fulling mills.	Complied.
Peabody Mills,	Cottons,	100	250	—	—	10	Good,	None,	—
Victoria Mills,	Cotton sheeting,	150	120	—	—	34	Good,	Post time-tables,	Complied.
A. & G. J. Caldwell,	N. E. rum,	6	—	—	—	—	Good,	Guard fly-wheel,	Complied.
ROWLEY.									
F. L. Burke,	Heels,	80	—	—	—	—	Good,	Guard set-screws and post time-tables.	Complied.
E. W. Burke,	Heels,	30	—	—	—	3	Good,	Post time-tables,	Complied.
F. W. Henderson & Co.,	Boots and shoes,	30	—	—	—	—	Good,	Post time-tables,	Complied.
S. A. Boynton,	Heels,	12	5	—	—	—	Good,	Post time-tables,	Complied.
W. C. Foster's Sons,	Boots and shoes,	28	2	—	—	—	Good,	Guard sewing shaft; guard set-screws; guard belts and post time-tables.	Complied.

DISTRICT No. 8 — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
ROWLEY — <i>Concluded.</i>								
M. Elsworth,	Heels,	20	10	—	—	Good, .	Guard sole-leather roller; guard set-screws and post time-tables.	Complied.
J. W. Brown,	Heels,	11	6	—	1	Good, .	Guard sole-leather roller; guard set-screws and post time-tables.	Complied.
D. N. Prime Shoe Co., . .	Boots and shoes, .	22	3	—	—	Good, .	Guard sewing shaft; guard set-screws and post time-tables.	Complied.
Mooney & Richardson, . .	Heels,	16	4	—	—	Good, .	Guard set-screws and post time-tables.	Complied.
Newell & Knowlton, . . .	Bleached leather, .	3	—	—	—	Good, .	None,	—
A. M. Root & Co.,	Wooden boxes, . .	17	—	—	—	Good, .	Guard fly-wheel,	Complied.
WEST NEWBURY.								
Wm. B. Chaplin,	Boots and shoes, .	38	12	—	—	Good, .	Post time-tables; guard set-screws and guard sewing shaft.	Complied.
S. C. Noyes & Co.,	Combs,	46	4	—	—	Good, .	Post time-tables,	Complied.
T. M. Chase & Son,	Combs,	20	3	—	—	Good, .	Guard fly-wheel and set-screws; guard belts and pulleys on four Quarnet machines; post time-tables and keep certificates.	Complied.

*Report of Elevators Inspected.*DISTRICT No. 8. PAUL HANNAGAN, *Inspector.*

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
Amesbury.				
Merrimack Hat Co., . . .	1	Good,	None.	-
Amesbury Carriage Co., . .	2	Bad,	Put on safety devices.	-
J. H. Clark & Co., . . .	1	Good,	None.	-
Hamilton Woollen Co., . .	7	Good,	None.	-
Andover.				
Tyer Rubber Co., . . .	1	Good,	None.	-
Bradford.				
Knipe Bros., . . .	1	Good,	None.	-
Georgetown.				
Georgetown Boot and Shoe Co.,	1	Good,	None.	-
Groveland.				
Groveland Mills, . . .	2	Good,	None.	-
Haverhill.				
Chase & Lewis, . . .	1	Good,	None.	-
Jennings & Hardy, . . .	1	Good,	None.	-
Russ & Davis, . . .	1	Good,	None.	-
Gale Shoe Co., . . .	1	Good,	None.	-
Blake Bros., . . .	1	Good,	None.	-
Stevens & Co., . . .	1	Good,	None.	-
Miller & Foster, . . .	1	Good,	None.	-
F. E. Hutchinson, . . .	1	Good,	None.	-
Webster & Tabor, . . .	1	Good,	None.	-
S. P. Gardner, . . .	1	Good,	None.	-
D. O. Clark, . . .	1	Good,	None.	-
C. H. Hayes, . . .	1	Bad,	Put on safety device,	Complied.
E. O. Bullock, . . .	1	Good,	None.	-
C. W. Arnold, . . .	1	Good,	None.	-
J. W. Russ, . . .	1	Good,	None.	-
G. H. Tilton, . . .	1	Good,	None.	-
Gilbert & Co., . . .	1	Good,	None.	-
C. K. Fox, . . .	1	Good,	None.	-
Chesley & Rugg, . . .	1	Good,	None.	-
A. J. Tilton, . . .	1	Good,	None.	-
Twombly & Rouleau, . .	1	Good,	None.	-
G. B. Case, . . .	1	Good,	None.	-
R. B. Day, . . .	1	Good,	None.	-
Hilliard & Taylor, . . .	1	Good,	None.	-
G. H. Hoyt & Son, . . .	1	Good,	None.	-
A. W. Greeley, . . .	1	Good,	None.	-
Wallace, Elliott & Co., .	1	Good,	None.	-
F. S. & H. H. Gage, . .	1	Good,	None.	-
T. H. Finney, . . .	1	Good,	None.	-
M. C. Cram, . . .	1	Good,	None.	-
G. C. How, . . .	1	Good,	None.	-
Lennox & Briggs, . . .	2	Good,	None.	-
Hussey & Hodgdon, . . .	1	Bad,	Guard entrance,	Complied.
Lambert, Berry & Co., .	1	Good,	None.	-
Russ Bros., . . .	1	Good,	None.	-
J. H. Connor, . . .	1	Good,	None.	-
Chandler & Burnham, . .	1	Good,	None.	-
Field, Thayer & Co., . .	2	Good,	None.	-
T. Ruddock & Son, . . .	1	Good,	None.	-
Curtin & Page, . . .	1	Good,	None.	-
Lawrence.				
E. F. Lewis, . . .	1	Bad,	Put on safety device,	Complied.
Farwell Bleachery, . . .	1	Bad,	Put on safety device,	Complied.
Merrimack Paper Co., . .	3	Good,	None.	-
Munroe Felt and Paper Co.,	2	Good,	None.	-
Wright Braid Mill, . . .	1	Bad,	Put on new cable,	Complied.
Phillips & Kunhardt, . .	3	Good,	None.	-

Report of Elevators Inspected — Concluded.

NAME OF BUILDING.	No. of Elevators.	Condition.	Orders Given.	Compliances.
Lawrence — Con.				
Pemberton Mills,	7	Good,	None.	-
Lower Pacific Mills,	9	Good,	None.	-
Lower Pacific Mills,	1	Bad,	New hoisting gear, . .	Complied.
Atlantic Mills,	6	Good,	None.	-
Duck Mills,	4	Good,	None.	-
Arlington Worsted Mills,	13	Good,	None.	-
Arlington Worsted Mills,	1	Bad,	Put on safety device, .	Complied.
Pacific Yarn Mill,	2	Good,	None.	-
Briggs & Allyn Manuf'g Co.,	2	Good,	None.	-
J. F. Bingham,	1	Good,	None.	-
Pacific Print Works,	13	Good,	None.	-
Pacific Print Works,	1	Bad,	Put on safety device and guard entrance.	Complied.
Everett Mills,	9	Good,	None.	-
Stanley Manuf'g Co.,	3	Good,	None.	-
Russell Paper Mill,	4	Good,	None.	-
Russell Paper Mill,	1	Bad,	Put on safety device, .	Complied.
Upper Pacific Mills,	9	Good,	None.	-
Upper Pacific Mills,	3	Bad,	Put on safety devices, .	Complied.
Washington Mills,	7	Good,	None.	-
Washington Mills,	1	Bad,	Guard entrance, . .	Complied.
Newburyport.				
Victoria Mills,	2	Good,	None.	-
Methuen.				
Arlington Cotton Mills,	6	Good,	None.	-
Methuen Cotton Co.,	4	Good,	None.	-
Knitted Fabric Co.,	1	Good,	None.	-
Merrimack.				
Merrimack Wheel and Gear Co.,	1	Good,	None.	-
Middleton.				
C. A. Rogers,	1	Bad,	Guard entrance, . .	Complied.
North Andover.				
Stevens Mills,	2	Good,	None.	-
North Andover Mills,	1	Good,	None.	-
Davis & Furber Co.,	7	Good,	None.	-

REPORT OF INSPECTOR MURPHY.

I have the honor to submit herewith a tabulated report of the work performed by me during the past year.

In accordance with instructions received from you early in the year, I have inspected nearly all of the public charitable institutions in my district. Reference to my inspection reports will show that while the almshouses in my district will compare favorably with any in the State, yet much remains to be done to make some of the buildings safe, and to insure some measure of comfort to the poor unfortunates who are reduced to the necessity of finding a home in these institutions. Many of the poor-farm buildings, being the old farm-houses bought with the land, are not provided with the conveniences or means of safety in case of fire in use in more modern buildings. As far as possible I have endeavored to make some

improvement in the condition of these houses by recommending that steam or furnace be substituted for stoves for heating purposes, for where the inmates are old and decrepit persons and children it seems to me there must be great danger in the old sheet-iron stoves and wood box in the corner. I have also in many cases ordered that each floor be cut off from the others by providing smoke-tight partitions and doors, so that in case of fire the inmates will be given more time to escape before the smoke fills the corridors; and I am pleased to say that I have found the city and town officials ready and willing to adopt my suggestions for the better protection and comfort of the poor.

In the enforcement of the provisions of chapters 316 and 426 of the Acts of 1888, I am glad to report that I find owners and architects ready and more prompt to comply with my orders as they come to a better understanding of the value of the laws. But I have experienced some difficulty in the case of hotels in the city of Lowell, where a condition attached to the license to sell liquors requires all entrances to be permanently closed except the door licensed. In several of the hotels this condition of the license allows but one way of egress, and in case of fire might result in loss of human life. In such cases I have ordered obstructions removed and rear doors to be so arranged as to be easily opened from the inside. In other respects I find the law relating to the protection of human life in hotels, as provided in chapter 307 of the Acts of 1890, generally complied with.

A case quite recently came under my notice which leads me to believe that chapter 399, Acts of 1888, should be amended so as to provide for a board of inspection upon the application of, say, ten citizens of a city or town, or upon the application of those employed in, or the tenant or tenants of, the alleged dangerous building.

[Chapter 399, Acts of 1888.]

AN ACT PROVIDING FOR THE INSPECTION IN CERTAIN CASES OF BUILDINGS AND OTHER STRUCTURES ALLEGED TO BE UNSAFE OR DANGEROUS.

SECTION 1. Any member of the inspection department of the district police force, when called upon by the mayor and aldermen of any city, except the city of Boston, or by the selectmen of a town, shall inspect any building or other structure or anything attached to or connected therewith in such city or town which has been represented to be unsafe or dangerous to life or limb.

SECT. 2. If it appears to an inspector upon such inspection that the building or other structure or anything attached to or connected therewith is unsafe or dangerous to life or limb, in case of fire or otherwise, he shall proceed to cause the same to be removed or to render the same safe and secure, in the manner provided by sections four to eleven,

inclusive, of chapter one hundred and four of the Public Statutes, and may cause proceedings to be instituted under section twelve of said chapter one hundred and four.

SECT. 3. The words "mayor and aldermen" in section five of said chapter one hundred and four shall for the purposes of this act be construed to apply to the mayor and aldermen of a city or the selectmen of a town as the case may be.

SECT. 4. If in any city or town in which such inspection is made there is no city engineer or chief engineer of the fire department, the mayor and aldermen or selectmen as the case may be shall designate some other officer or officers or some suitable persons in place of the officers so named to act upon the board of survey provided for in section six of said chapter one hundred and four, and the provisions of said section, and of sections seven, eight, nine, ten and twelve of said chapter one hundred and four shall apply to a board thus constituted.

Several months ago I notified the chairman of the board of selectmen of a certain town in my district that a certain building used for manufacturing purposes was unsafe and dangerous. I have since learned that the chairman of the board of selectmen is one of the principal owners of said building. I am not aware that any action has been taken by the selectmen to have the building inspected, or to make it more safe.

Report of Buildings Inspected.

CLASS NO. 1, DISTRICT NO. 9. JOHN F. MURPHY, *Inspector.*

NAME OF BUILDING.	Orders Given.	Com- pliances.
Marlborough.		
Almshouse,	Substitute steam for stoves for heating purposes.	Complied.
Pleasant Street School,	Outside fire-escapes covered to the ground.	Complied.
Home Shoe Factory,	Outside fire-escape,	Complied.
Windsor House,	Rope fire-escapes,	Complied.
West House,	Rope fire escapes and post notices,	-*
Feely House,	Laws complied with.	-
Marlborough House,	Rope fire-escapes,	Complied.
Maynard.		
Almshouse,	Better means of extinguishing fire and substitute steam for stoves for heating purposes.	-†
Medfield.		
Elm Tree Inn,	Outside fire-escape; rope fire-escapes in sleeping-rooms.	-‡
Almshouse,	Better means of extinguishing fire; substitute steam for stoves for heating purposes.	-
Milford.		
Almshouse,	Better means of extinguishing fire; box up stairs with smoke-stop doors, and substitute steam for stoves for heating purposes.	-§

* Will comply.

† Complied in part.

‡ In process; will comply.

§ Will complete; partly complied.

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Com- pliances.
Milford — Con.		
Milford House,	Rope fire-escapes and fire-pails, .	Complied.
Lincoln House,	Rope fire-escapes and post notices,	Complied.
Hotel William,	No orders.	-
Mansion House,	Rope fire-escapes,	Complied.
Central House,	No orders,	-
Hotel Gillan,	No orders.	-
Union House,	Fire pails,	Complied.
Natick.		
Almshouse,	Better means of extinguishing fire; box up stairs with smoke-stop doors; portable fire-escape.	Complied.
Oak Grove School,	Covered outside fire-escape; better means of extinguishing fires.	-
Norwood.		
Central House,	Outside fire-escapes; better means of extinguishing fire; rope fire- escapes.	-
Hyde Park.		
Everett House,	No orders.	-
Art Gravure Factory,	No orders.	-
Hudson.		
Almshouse,	Substitute steam for stoves for heating purposes; better means of extinguishing fire.	Complied.
L. T. Jefts' Shoe Factory,	Outside fire-escape,	-*
Newton.		
Pettee Machine Co., Boarding-house, .	Fire-escape; fire-stops; fire-pails; post notices.	Complied.
Almshouse,	No orders.	-
Needham.		
Kimball School,	No orders.	-
Randolph.		
Almshouse,	Outside fire-escape; better means of extinguishing fire; box up stairs; smoke-stop doors.	Complied.
Watertown.		
Union Market House,	Rope fire-escapes; post notices, .	Complied.
Almshouse,	Outside fire-escapes; better means of extinguishing fire.	Complied.
High School,	No orders.	-
Keenan Block,	No orders.	-
Wrentham.		
Almshouse,	Outside fire-escape; better means of extinguishing fire; substitute steam for stoves for heating pur- poses.	-†
Brown's Straw Factory,	No orders.	-
Wellesley.		
Almshouse,	Better means of extinguishing fire,	Complied.
Walpole.		
Almshouse,	Better means for extinguishing fire; substitute steam for stoves for heating purposes.	-*

* Will comply.

† Complied in part.

Report of Buildings Inspected — Continued.

NAME OF BUILDING.	Orders Given.	Com- pliances.
Quincy.		
Almshouse,	Outside fire-escapes; better means of extinguishing fire; box up stairs; smoke stop doors.	Complied.
Hotel Greenleaf,	Fire-escapes; additional ways of egress; rope fire-escape in sleeping-rooms.	Complied.
Hancock House,	Outside fire escapes; rope fire-escapes in sleeping-rooms; post notices.	-
Wayland.		
Cochituate House,	Rope fire-escapes,	Complied.
C. W. Dean's Shoe Factory,	Outside fire-escapes,	-*
Bent Bros. Shoe Factory,	No orders	-
M. C. Griffin's Shoe Factory,	No orders	-
F. A. Howe's Shoe Factory,	Fire pails,	Complied.
Felch Bros.' Shoe Factory,	Outside fire-escapes,	-*
Almshouse,	Better means of extinguishing fire; substitute steam for stoves for heating purposes.	-†
Waltham.		
Burkley Hotel Block,	Unoccupied at time of visit; — no orders.	-
Almshouse,	Better means of extinguishing fire; smoke-stop partitions, and doors at ends of corridors.	Complied.
Waltham Hospital,	Outside fire-escapes,	Complied.
Prospect House,	Laws complied with.	-
Central House,	Laws complied with.	-
Hotel Waltham,	Laws complied with.	-
Hotel Crescent,	Laws complied with.	-
Hotel Martin,	Laws complied with.	-
Weymouth.		
Bay Side House,	Rope fire-escapes; fire-pails,	-
Hotel Fair View,	Outside fire-escapes; rope fire escapes; fire-pails.	-†
Almshouse,	Stand-pipe and hose for extinguishing fire.	Complied.
Central House,	Rope fire-escapes,	-
Cushing House,	Rope fire-escapes,	-
Lowell.		
R. Sanbrin's Tenement Block,	Additional fire-escape,	Complied.
Barristers' Hall,	Fire-escapes,	-
L. Trappier's Tenement Block,	Additional fire escapes,	Complied.
Duprez's Tenement Block,	Fire-escapes,	-*
Bibeault's Tenement Block,	Fire-escapes,	-
W. H. Bent's Tenement Block,	Repair fire escapes,	Complied.
St. Charles Hotel,	Rope fire-escapes,	Complied.
American House,	Rope fire-escapes and remove obstruction to rear door.	-†
Merrimack House,	Rope fire-escapes and remove obstructions to rear door.	-†
St. James Hotel,	Rope fire-escapes,	Complied.
Bon Marché Block,	Outside fire-escape,	Complied.
Meadowcroft Block,	No orders.	-
St. Lawrence Hotel,	Laws complied with.	-
Franklin House,	Laws complied with.	-
Richardson Hotel,	Laws complied with.	-
C. I. Hood's Laboratory,	No orders.	-
Bijou Theatre,	Better means of extinguishing fire; asbestos fire-proofing proscenium and walls of rear stairways; fire-proof curtain; outside fire-escapes.	Complied.
J. C. Ayer's Factory,	Designate exits,	Complied.

* Will comply.

† Complied in part.

Report of Buildings Inspected—Continued.

NAME OF BUILDING.	Orders Given.	Com- pliances.
Lowell—Con.		
Whittier's Cotton Mill,	No orders.	—
Prescott Mills,	No orders.	—
Old Ladies' Home,	Additional way of egress, . . .	Complied.
Ayer Home for Young Women,	Better means of escape from fire, .	Complied.
St. Michael's School,	Additional ways of egress, . . .	Complied.
Spaulding Block,	Additional ways of egress; designate ways to fire-escape; rope fire-escapes in sleeping-rooms.	Complied.
Varnum Block,	Fire-escape balconies; ropes in sleeping-rooms, and fire pails.	Complied.
Kittredge Boarding House,	Fire pails and rope fire-escapes in sleeping-rooms.	Complied.
Lowell Manufacturing Company,	No orders.	—
Mechanics' Bank Block,	Fire-pails,	Complied.
Albion Block,	Fire-pails; fire-escape ropes in sleeping-rooms	Complied.
Edson Block,	Fire-pails,	Complied.
Davis Block,	Fire-pails,	Complied.
Wyman Exchange Block,	Fire-pails,	Complied.
Criterion Knitting Company,	Additional egress; fire-proof over boiler; stand-pipe and hose to extinguish fire.	—*
J. Greenburg's Tenement Block,	Outside fire-escapes and fire-pails.	Complied.
Almshouse and Hospital,	Outside fire-escapes and additional ways of egress.	Complied.
Academy of Notre Dame,	No orders.	—
J. M. Storer's Shoe Factory,	Additional ways of egress, . . .	Complied.
W. A. Ryan's Tenement Block,	Fire-escape.	—
St. Peter's Orphan Asylum,	No orders.	—
N. A. Carp's Tenement Block,	Outside fire-escape,	Complied.
Tenement Block, Chelmsford Street,	Outside fire-escape,	Complied.
Tenement Block, Howard Street,	Fire-escape,	Complied.
Hoyt & Shedd's Building,	Additional ways of egress, . . .	Complied.
American Bunting Co.,	Remove obstructions,	Complied.
D. A. Geard's Tenement Block,	No orders.	—
Belvidere Woollen Mill, No. 2,	No orders.	—
U. S. Card Co.,	No orders.	—
Faulkner Woollen Mill,	No orders.	—
Lowell Bleachery,	No orders.	—
Massachusetts Cotton Mills,	No orders.	—
Coburn Waste Mill,	No orders.	—
Carter Woollen Mill,	No orders.	—
Merrimack Manufacturing Co.,	No orders.	—
Elliott Building,	Rope fire-escapes,	Complied.
Blackstone.		
Almshouse,	Outside fire-escape and fire-pails.	—†
Clarendon House,	Fire-escape on new addition being built.	—†
Lawrence Felting Mill,	Designate ways to fire-escapes, .	—†
Millville Hotel,	Laws complied with,	—†
Woonsocket Rubber Co.,	Designate ways to fire-escape, .	—†
Braintree.		
Almshouse,	Better means of extinguishing fire.	Complied.
Monals' House,	Rope fire-escapes.	—
Brookline.		
Montieth Building,	No orders.	—
Davis Mansion,	Repair elevator doors; remove obstructions from hallways.	Complied.
The McLeod,	Repair elevator doors,	Complied.
The St. Andrews,	Repair elevator doors,	Complied.
E. N. Noble's Tenement Blocks,	No orders.	—
Canton.		
Almshouse,	Outside fire-escape and fire-extinguisher.	Complied.
Wellington House,	Portable fire-escapes,	Complied.

* Partly complied; will complete.

† Will comply.

Report of Buildings Inspected — Concluded.

NAME OF BUILDING.	Orders Given.	Com- pliance.
Stow.		
Almshouse,	Better means of extinguishing fire; substitute steam or furnace for stoves for heating purposes.	-
Gleason Woollen Mills,	No orders.	-
Sudbury.		
Almshouse,	Substitute steam or furnace for stoves for heating purposes.	-
Foxborough.		
Cocassett House,	Rope fire-escape and fire-extinguisher.	-
Cator & Bixby's Straw Factory,	No orders.	-
A. F. Bemis' Straw Factory,	No orders.	-
Almshouse,	Fire-escape; better means of extinguishing fire; substitute steam or furnace for stoves for heating purposes.	-
Framingham.		
Home for the Aged,	Better means of egress.	-
Almshouse,	Box up stairs; smoke-stop door; repair fire-escape; fire-extinguisher.	Complied.
The Sanitarium,	Outside fire-escapes and fire-pails,	In process.
Everett House,	Rope fire-escapes,	-*
Coburn House,	Rope fire-escapes and fire-pails,	-*
Gregory Shaw & Co., Shoe Factory,	Outside fire-escape,	Complied.
Arlington Street School,	No orders.	-
Pearl Street School,	No orders.	-
Hollis Street School,	No orders.	-
Elmwood Opera House,	No orders.	-
Sherborn.		
Almshouse,	No orders.	-
Women's Prison,	No orders.	-

* Will comply.

Plans Approved and Changes Recommended.

[Chapter 316, An Act to regulate the erection and construction of certain buildings.]

DISTRICT No. 9. JOHN F. MURPHY, *Inspector.*

BUILDING.	Location.	Changes Recommended.
Doughty's Harness Factory,	Randolph,	Fire-escape; enclose stairway.
Jewett Building,	Lowell,	No change.
A. Bebeault's Tenement Block,	Lowell,	Fire-escape.
Lowell Manuf'g Co.'s Yarn Mill,	Lowell,	Fire-escape.
D. A. Geard's Tenement Block,	Lowell,	No change.
Pilling's Shoe Factory,	Lowell,	No change.
Nesmith Heirs' Mill Building,	Lowell,	No change.
L. & S. Street Railway Tenement Blocks,	Lowell,	No change.
Carmichael's Tenement Block,	Lowell,	Additional ways of egress.
O'Donnell & Gilbride's Building,	Lowell,	Fire-escape.
Burke & Morris' Block,	Lowell,	No change.
Miss Ranel's Tenement Block,	Lowell,	No change.
F. M. Gooding's Block,	Waltham,	Fire-stops.
Coburn Building,	Waltham,	Fire-escape; fire-proof over boiler.
Waltham Dial Co.'s Factory,	Waltham,	Fire-escape; fire-proof over boiler.

Plans Approved, etc. — Concluded.

BUILDING.	Location.	Changes Recommended.
S. N. Wood's Tenement Block,	Lowell,	Fire-stops.
Mrs. Walsh's Tenement Block,	Lowell,	No change.
D. J. Murphy's Tenement Block,	Lowell,	Fire stops; better means of escape from fire.
Davey Machine Shop,	Marlborough,	Fire-escape.
Denis O'Brien's Tenement Block,	Lowell,	No change.
L. T. Jefts' Shoe Factory,	Hudson,	Better means of escape from fire.
Clarendon House,	Millville,	Fire-escape.
Brogan Block,	Lowell,	No change.
Marlborough Savings Bank Building,	Marlborough,	No change.
Chevalier Block,	Lowell,	No change.
Latour Block,	Lowell,	Fire stops; additional foundation; fire-escape.
A. Robert's Tenement Block,	Lowell,	Fire-stops; brick wall; fire-escape.

SPECIAL DUTY.

By authority of chapter 387, Acts of 1893, Thomas Hawley was appointed an additional district police officer, and it was made his special duty to inspect uninsured steam boilers and their appurtenances, and to inquire into the ability and competency of the engineers in charge thereof.

For purposes of record I herewith append his report.

REPORT OF INSPECTOR HAWLEY.

In compliance with your instructions, there has been sent to you, from time to time, a detailed report of inspections that I have made, as to the peculiarities of the plant, the age of the boilers, the attention the boilers receive, and a record of defects observed. You have also received a memorandum of any recommendations that I have made to the owners of the boilers found defective, as you held the opinion that the department should call attention to defects in boilers in order that those who might be so disposed might remedy them and thereby increase the public safety. I have also handed you a summary of these reports, in which is included the nature of the defects, how many found and the number that were considered dangerous. From this summary it appears that in 171 boilers inspected 23 were found without apparent defect, and the balance were found defective in some particular, some having a number of defects, the total defects observed being 486 and the number of these defects considered dangerous being 114.

It may be necessary to briefly explain what, in my opinion, constituted a defect, taking only those found, and when that defect became dangerous. A defect was some condition existing in

either the construction or material of the boiler, by which its strength was impaired, or by use or careless management or deterioration the boiler had become weakened materially. Referring to the summary of reports, two dangerous defective settings were found. One of these was almost honeycombed with holes in the brickwork, some of them very large; the boiler settled considerably, and the whole is a mystery how it held together. The other was where the brickwork was so cracked and bulged as to be in imminent danger of giving way and dropping the boiler. The defects observed, but not classified as dangerous, included considerable cracking of the brickwork, settling of the boiler, springing of the rear arch so as to allow heat to strike the back head above the water line (this could have been called dangerous), and where the side walls had sprung away from the boiler. There were noted 16 cases defective, two dangerously so.

The defective safety-valves included those in which anything was noted that might prevent them working freely, or with safety-valves and outlets too small. The dangerous ones were places where the valves were found corroded, where the guide was twisted and bent out of shape, where the levers were bent so that the ball would only stay at the extreme end, where the safety-valve outlet had a globe valve upon it, and where the valve was so piped that it was liable to be rendered inoperative by the outlet freezing. Thirteen cases were noted, of which six were dangerous.

Blow-offs were considered dangerous when their ends were plugged up and they had every appearance of never having been blown off, or no place to which to blow the water except into the room itself; when the blow-off pipe was placed in the head several inches above the bottom of the shell, so that it would be impossible to blow out the accumulated sediment or to wash it out. They were dangerous when found to be stopped up, when the blow-off valve could not be opened, or when the blow-off pipe was found clogged with dirt. When the valve was so piped that it could become frozen, the defect was noted, but it was not called dangerous. There were 35 cases found, 18 of which were dangerous.

Braces were called defective when their size was not sufficient to properly stay the flat surface braced, and dangerous when found to be broken or very considerably corroded. No cases of dangerous braces were reported, but 19 braces were found that were considerably corroded and their factor of safety materially reduced. Further corrosion must result and it will not be long before they become dangerous.

Defective feed arrangements were those in which any difficulty

would be found in feeding water to the boiler. A common defective arrangement found was in boilers in a battery where each boiler was not provided with a separate check-valve, thus making it possible for an excess of pressure in one boiler to force the water out of that boiler and into another in which there was a less pressure. As the boilers were not provided with steam valves, and their steam outlets led to one pipe, or to a drum in one case, the chances of difference in pressure occurring were lessened and what could easily become a dangerous condition with an ignorant man in charge was not tabulated as dangerous in the instances observed. The only dangerous case reported was where the boiler was fed by city pressure alone. As the boiler was on a high hill, at times the pressure was not sufficient to put the water into the boiler against the pressure carried, and the pressure had to be reduced to this. The natural way of reducing the pressure was to use the steam, lowering the supply in the boiler to a dangerous limit.

Defective steam connections consisted of cases where it was impossible to shut the steam in the boiler or boilers except at the engine throttle, and the injury to one boiler meant the discharge of steam from all the boilers in the battery, and multiplied the danger accordingly. Defective piping was found with no provision for expansion, submitting the pipes to strains that will some day cause trouble. These defects were not classified as immediately dangerous, though they may easily become so. Five cases were found, one dangerous.

Defective water columns were those in which no means were provided to clean the dirt from them. After awhile they will become filled with sediment and the glass or gauges fail to show the position of water in the boiler. Columns were defective where the piping was such as to form a trap which would show a false water level, and a column or glass set so that the glass would show several inches of water when the water was really below the level of the tubes, were noted as defective. None of these cases were called dangerous, as the engineers knew of them, but upon a change of help they would be false indicators of the position of the water line above the fire line. Thirteen cases were noted.

Leaky seams were noted as defects, but no case was found where it was dangerous and could not be readily repaired by caulking. If left, however, without repair, unless it stops itself by corrosion, it will cause corrosion of the seam and rapidly cause deterioration of the boiler. Sixteen cases were noted.

The defects noted as "dry sheet burned" were places where the brickwork over the arch of the fire door had been burned away

and the dry plate and dry rivets of the boiler were exposed to the action of the fire and burned. Neither this sheet nor these rivets, the latter a vital part of the boiler, have any water to absorb the heat, and in a very short time become burned. crack the sheet at this point and become dangerous. The defects here tabulated as dangerous were cases where the dry sheet was almost completely burned away so that the fire could come directly into the up-take, and had been so for some time, and also had burned the sheet away almost up to the line of rivets. Nine cases were noted, seven being dangerous.

The defect "external corrosion" was for corrosion upon any part of the the shell outside, and was called dangerous when it had proceeded so far as to considerably reduce the strength of the plate by eating away the iron. Under this head were included some defects that could have been included in leaky seams. In some instances the corrosion was sufficient to cause a leakage, the plate being completely eaten through. In other cases the seam was corroded half way through the thickness of the plate, and in still other cases the dripping from leaky valves caused corrosion in spots on the shell itself, and the leak from the poorly-packed safety-valve flanges or steam nozzles had run down over the side of the boiler and caused corrosion of the plate over a considerable area and a general depreciation. When this was considerable it was called dangerous. In places the corrosion was on the heads and caused by leaky tubes and hand-holes. In one case the corrosion was so considerable that the hand-hole was enlarged to twice its size by simply knocking away the rotten iron. In noting defects, the individual cases on each boiler were not separately counted, and although many boilers were found corroded in quite a number of different places, it was tabulated as one case only. There were 52 cases found, 6 being dangerous.

Internal corrosion was corrosion found inside the boiler. It was possible to examine only a limited number of boilers internally, which will account for the small number of cases of internal corrosion noted. In all probability this number was larger than reported. There were 11 cases, 2 dangerous.

The defect noted as without fusible plug was cases where the fusible plug prescribed by law as necessary was not in the boiler. Doubtless many of the plugs in boilers are of no use whatever, as many of the men in charge knew nothing about the fusible plug, and never knew that they had been renewed. There were 43 boilers without these plugs.

Cases of leaky tubes were individually noted as defects, but not counted as dangerous, although in some cases the tubes leaked

very badly, and in others the tube ends were worn off and the power of the tube as a stay was entirely gone. In some cases the tubes were split. There were 57 cases of this defect found.

The defect "cracks on boiler shell" needs no explanation. The cracks extended through the plate. In one case it extended from rivet to rivet, passed several rivets, and in another case was in the shell plate itself and four or more inches long. Both of these cases were decidedly dangerous.

Cracks on boiler heads were found to be more numerous. In each case the cracks extended between the tubes, and of course seriously lowered the strength of the boiler, yet none of them were considered dangerous at that instant, although the boiler ought to be run at a lower pressure. There were 9 cases found.

The defect noted as "boiler without safety-valve" was, of course, a decidedly dangerous one. One case was observed, although plenty were found with dangerously defective safety-valves.

The defect of boilers without water-glass to show the height of the water was not noted as dangerous because these boilers all had water-gauges provided, but these are less often tried than the glass would be looked at, so are not as sure. The glass is always in sight; the water can be found from the gauge only by trying it. There were 8 cases found.

One boiler has no water-gauges and depends wholly upon the integrity of the water-glass. This is a defect, as the glass must be kept in good condition to be of any service, and should the glass break and another be not at hand, there is no knowledge of the position of the water in the boiler until the glass is fixed.

Blistered plates were recorded as defects and were found both upon the fire sheets and the top sheets. The blister was recorded as dangerous when it had been burned and in all probability the plate surrounding it had been overheated. Seven cases were reported, 4 of them dangerous.

A patch upon a boiler was considered a defect when it was upon the fire sheet. A patch of itself when properly put on is not a source of weakness, beyond the fact that the riveting is not so strong as the solid sheet. If the patch is a large one, the riveting becomes an important factor in the matter, and with a single riveted patch, the strength of the boiler must be figured on the basis of a single riveted joint, as being the weakest part of the structure. The metal removed by the patch has been replaced by metal equally good, or should be, so that with small patches the strength of the boiler has not been appreciably impaired by the patch. It is of course possible that what made the patch necessary might

have injured the plate beyond the limits of the patch. What led me to call this a defect was because the patch was over the fire and formed a pocket at the bottom of the boiler in which all the sediment can collect, and cannot be removed by the methods of cleaning ordinarily employed. This patch is in constant danger of burning out because of this fact, and so is a vital defect in the boiler. Patches were called dangerous when they leaked very much, showing that they had been put on by an incompetent workman. One such case was observed, out of 28 cases of plates that had been patched.

Safety-valves overloaded were classed as defects when the safety-valves were found operative, but weighted down with heavy weights tied on the lever in addition to the safety-valve ball provided. A number of these cases were found. In other places upon old boilers the ball would be at the extreme of the lever, requiring a pressure at which the boiler could be relieved at a point very much beyond the safe pressure the boiler should carry. There were 11 of these cases.

A defect was noted in every case where it was found that the water-gauges could not be operated. In some cases the gauges were not provided with wheels, and in all probability were never used; but upon trying them with a wrench I found they could be used if sudden occasion demanded, so that these were not classified as defective, although the engineers were advised to have them put in proper shape. The cases marked as defective were where they could not be operated, and if operated were stopped up inside so that the water would not come. These were worthless. As these boilers had a glass, the defects were not, however, classified as immediately dangerous. Five cases were noted.

The defect known as pitting was found almost wholly upon the inside of boilers, and is sometimes known as honeycombing, from its resemblance to the honeycomb. It is a form of corrosion, very capricious in its action, but differing from the corrosion previously mentioned, because its indentations are clearly marked. It was found in 11 boilers, and in 2 of them to such an extent as to seriously impair the strength of the plate, and in these cases was called dangerous.

The cases of defective riveting noted signify the number of boilers in which the riveting was defective, not the individual number of rivets. Under this head were included rivets that leaked to a considerable extent, rivets that were found loose, and cases where the rivets had been burned to such an extent that their heads were materially burned off. This defect must be found principally by an internal inspection, and in all probability

many of the boilers externally examined had defective rivets, as it is a defect common in boilers. Fourteen cases were noted, 4 of them dangerous.

Boilers marked as "scale considerably" were those in which the water was so poor as to cause the formation of thick scale. In some of these cases the defect was noted upon asking the engineer upon this point, and in others upon an internal examination. The accumulation of scale and sediment in a boiler prevents the passage of the heat from the iron into the water, and when the scale and sediment deposited become thick enough, the iron becomes overheated and burned, exactly as in the case of low water. Sixteen cases were noted.

The defects classified as "miscellaneous" embraced all those that could not be included among the other defects. This included the case of a boiler fed from the waste heat from three forges built into the brickwork of the boiler. The hot gases from these forges struck the boiler in one small spot directly opposite their inlets and almost up to the water line. This was a dangerous defect. The next case was of forcing a boiler to an exceptional degree. This boiler was doing the work of two boilers. It was fed with bituminous coal and air supplied by a blower to force the combustion. Two injectors were at work constantly forcing water into the boiler, and the pressure rapidly fell in the boiler during the moment the tube doors were opened for a glance at the tube sheet and tubes. The inevitable result is the deterioration rapidly of the shell plates and the burning of the plates at the first favorable opportunity. This exceptional forcing of a boiler is also a dangerous defect. Another boiler, under a hotel, was found so small for its work that it would furnish the steam only with forced draft. The forcing in this case was less than in the one previously noted, and was noted, but was not tabulated as dangerous. Another defect was found in school-house heating plants where the valves were so poor that they could never be shut tight against the steam pressure, and caused the radiators to fill with water, thus emptying the boiler in the absence of the janitor. Another case was the use in school-houses of boilers too small to properly do the work, but this was not considered dangerous when with proper attention. A boiler in a school-house with a very small water space was considered a dangerous defect, as investigation showed that it had been found with no water a number of times, something that would not have happened under the circumstances with a boiler having a larger body of water. Another was the case of a boiler that was set in such a position that the water, after a heavy rain, filled up the setting to the boiler shell.

Another was where the flange to which the steam-pipe is joined leaked so badly that almost a stream was pouring down over the boiler; and another was the considerable dripping of an Albany trap placed on top of the boiler, wetting down the brick-work and giving a splendid opportunity for the corrosion of the top of the boiler. Still another was a heating system with no check-valve to prevent the water being forced by the pressure into the heating system through the returns, thus emptying the boiler; and another was somewhat similar, being the case where this check, when provided, was found to be full of scale and inoperative.

The defects indicated above are by no means the only defects that a boiler is subject to. Only those defects were mentioned which were found in the cases of boilers inspected. Nor is the number of defects reported all that could have been found in these boilers. The great majority of these inspections were external only, and made with a hot fire on and the boiler making steam. Defects may have existed in the interior of the boiler or on the plates outside that could not be found except by an examination when the boiler was cold. In all probabilities the boilers did have further defects, and possibly many of them may be dangerous, but from an external examination this fact could not be determined, and there was no authority given by which an internal examination could be made, so that all the defects in these boilers were not reported. Where internal inspections were made it had to be done by the courtesy of the owners in shutting down, or the boilers were found already shut down because of the dull season, or in doubtful cases arrangement was made to have them empty for internal inspection on Sunday.

Taking these facts into consideration, together with the reports, it seems to me clear that uninsured boilers do not receive proper attention and inspection. That so many defects have actually been found in the boilers shows the need of giving the matter some consideration at least, and more particularly so when a large number of the defects were of a nature that, unless repaired, make the boiler positively dangerous to run and only waiting the favorable opportunity, that may come at any moment, to produce a disastrous explosion. Many cases were found where the boiler had not been opened for inspection for many years, not even for cleaning. Doubtless if I had had authority to order these boilers shut down and examined them they would have been found foul inside, with large amounts of scale and incrustation, and defective in many particulars. A question asked concerning every boiler was as to how often this boiler had been internally inspected. Many admitted that the boiler had not been inspected for a great many

years, as long a term as for ten years, while others stated that it was inspected once a year. But upon inquiring further as to the character of this inspection, whether it was efficient or not, it appeared that while the boilers had been opened once a year for cleaning, no effort at inspection had been made; all that the owners, or the engineer, thought was necessary was to clean them out once a year and then nothing could possibly happen to them. No inspection was made, and no knowledge was possessed by the engineer as to the safety of the boiler other than that the scale was cleaned out as much as possible once a year. In many places it was found that an engineer would not, at least did not, stay for so long a time as a year. The owners were constantly changing firemen and engineers, so that no one knew anything definite as to what the condition of the boilers was. In other cases neither the man who cared for the engine, nor the fireman, could tell anything about the boilers, but the owners informed me that the boilers were inspected by some local machinist or engineer, but not connected in any way with the plant. From a number of conversations with men of this class, I have reached the conclusion that they are not sufficiently posted upon the matter of boiler inspection to make their inspection satisfactory. As one expressed himself, he was a "jack-of-all-trades," and his judgment of boilers went no further then to hunt for leaks, or to put a patch on when a sheet is burned, and these patches were often bungling and defective jobs. In other cases there are what are termed regular inspections by boiler-makers. In some cases with large mills, not insured, this inspection is fairly regular. In the majority of cases it is only after some accident has occurred and the services of the boiler-maker are called into requisition, when it is thought best to have him look through the whole plant. It is a rare case that he does not find a number of important defects to repair which would have passed unnoticed had not the failure of some other part led to the inspection by which the additional defects were found. This inspection is not satisfactory, because it is not made with sufficient regularity, and because the majority of boiler-makers will continue to repair a boiler and make it tight when a general deterioration has made it a very uncertain risk, although no leaks may appear at any place. A boiler-maker is not called to condemn a boiler, but to repair it, and usually he never goes beyond this point. If he doubts a boiler he may say that it is about time it came out, but very seldom does the owner discard the boiler on such a statement. It is a common saying among the boiler-makers that "the man who condemns a boiler never gets the order for a new one," so that the result is almost always that the boiler is patched and patched

in an effort to keep it in use when the risk should not be run. This is not the fault of the boiler-maker so much as the owner. The boiler-maker is called in to repair a boiler, rather than to pass final judgment upon it, and must be governed by that fact. Many cases could be cited where the boiler-maker has refused point blank to repair a boiler, and the result has been that the owner tried another boiler-maker and he was willing to make it tight, the owner assuming the risk. Here was one boiler-maker condemning a boiler as beyond repair, and another at the same moment practically saying, by repairing the boiler, that it was perfectly safe to run. If the matter of business was left entirely out of the matter, and when a boiler-maker was called in to examine a boiler he had legal authority to make his condemnation final, there would be possibly less repairing of old boilers and less risk run than now seems to be the case. The insurance companies find from their experience that boilers should be examined internally once a year, and externally three times additionally every year. The unperiodic inspection given by boiler-makers; the tendency to lean entirely in favor of the owner rather than on the side of safety; the opportunity, if the boiler is condemned by the boiler-maker, to find another, or a local machinist, willing to fix up; the running of boilers for many years without inspection and without cleaning, and the opening of boilers for cleaning, but giving no proper inspection,—all of these facts, it seems to me, prove very clearly that uninsured boilers do not receive such inspection as they should have. In very few instances do the engineers of uninsured boiler plants give them a thorough inspection, so that the methods of inspection above noted may be said to include those of the bulk of uninsured boilers.

The failure to inspect more frequently, as noted above, is due to a failure to realize the importance of the matter, as well as a willingness to run a risk of disaster in order to save the cost of a new boiler or repairs. The first condition I believe embraces the larger number of dangerous boilers. There are a large number of steam-users who fail to realize that there is any danger in the running of a steam-boiler. In conversing with them it is apparent that many think that if there is only water enough kept in the boiler no danger can result. This is a mistake, for while low water can be given as a probable cause of some explosions, the cases are very rare, and then of doubtful authenticity. Noted engineers have time and again endeavored to produce an explosion by pumping cold water into highly-heated boilers, upon red hot furnace plates, but so far as I know only one of these attempts has ever been successful, and even this was in doubt, for it was

upon a boiler upon which the experiment had been tried twice before and failed, and it is possible that this boiler was injured by these experiments sufficient to cause an explosion that would not have occurred with a boiler that had not been, as this one had been, twice before heated red hot and suddenly filled with cold water. Low water is unquestionably one of the principal causes of the deterioration of boilers, and low water can produce dangerous defects, but explosions from this cause, while possible, are very doubtful.

This feeling among steam-users, that preserving plenty of water in the boiler is the only precaution necessary to safety, is undoubtedly the cause of such a disregard of the necessity of inspection at regular intervals. Another is a failure to realize that every boiler should be a great deal stronger than for the pressure at which it is intended to work it. The United States government and every good engineer require that all new boilers should be designated for a factor of safety of 5. That is, they should be theoretically, and as far as can be determined from tests of material and construction, able to withstand, before bursting, a pressure five times that at which they shall be worked. A boiler working at 60 pounds is required to have a bursting pressure of 300 pounds. This is a margin for safety. Boilers, from the instant they are made, suffer an unceasing deterioration, and this deterioration goes on more or less rapidly according to the care the boiler has received and the severity with which it is used. The fact remains that it never ceases to grow weaker, so that a factor of safety of 5 is very rapidly diminished. It could not be asserted, as good engineering requires, that this margin of safety ought to be maintained upon all old boilers, for this margin is provided to allow for deterioration from this standard; but there should be provided a margin below which no boiler should be run, and it seems to me that this margin should be at least 3, to allow of any sudden deterioration, or to withstand any sudden increase in pressure, as is liable to happen at any moment by the sudden movement of water within the boiler or from any other cause. A great many steam-users, however, have contended that no such margin is necessary. They think that if a boiler will stand 90 pounds hydraulic pressure it can be considered perfectly safe to run at 60 or even at 70 pounds. And they continue to run their old boilers with this view in mind, that this margin of safety is enough. This is a great mistake. It is a matter of common scientific record that boilers have burst at a very much lower pressure than they had just previously withstood under hydrostatic pressure. In one such case the boiler had been tested to 200

pounds and soon after portions gave way at 110 pounds. In another case a boiler tested to 150 pounds gave way at 100 pounds' pressure. Many other similar cases can be given. It was one of the facts established by the Sandy Hook experiments to burst boilers that "a steam-boiler, under steam, may explode at a less pressure than that which it had successfully withstood at the hydrostatic tests." The cause of this is that boilers when under steam are subjected to various strains caused by the differences in temperature of different parts of the boiler. These cannot be calculated, but must be guarded against by a sufficient margin of safety. But of this fact many steam-users have no conception, and it accounts in part for their willingness to run a boiler close to its bursting pressure. They do not realize the danger.

Boiler explosions are now very clearly settled to have been produced by perfectly preventible causes. Boilers are subject to a constant deterioration from the time they go into use, but upon the care given will largely depend the deterioration. Because a boiler is old it does not follow that it is dangerous. With proper care a boiler may run for thirty years without showing marked external evidences of wear, while on the other hand the boiler may be ruined by carelessness the day after the inspector leaves it in good shape, or by some change in its management the rate of deterioration may increase so rapidly that more damage will be done to it in six months than otherwise would have been done in the same number of years. Whenever boilers have exploded a careful investigation has shown that, either through neglect or ignorance, an excessively high pressure has been attained with a defective safety-valve, or else the boiler has become so weak that it has exploded at low pressure. There is nothing mysterious about it, and the ablest engineers and investigators long since discarded the mysterious gas and electricity theories as not possible, and the low-water, repulsion of water, and many other theories as possible, but improbable. The final conclusions are that boilers may explode because of defective design, producing weak shells, insufficient bracing, poor circulation, insufficient water supply or steam blow-offs, and an arrangement of parts productive of large strains in some parts on the application of heat. This may be one cause of explosion. Another is poor material and workmanship. A third cause has already been noted. It is a gradual weakening of the boiler in time, or from insufficient or improper care in preserving it, and a failure to observe local defects when they develop. The fourth cause is mismanagement in operation, and through the ignorance of the man in charge the

production of dangerous conditions in the boiler, an excess of pressure, low water, a sudden disturbance by relieving the boiler suddenly at high pressure, and, last, a failure to inspect and keep careful watch of all defects.

The question at once arises, to what extent do these conditions, that experts agree produce the great majority of explosions, exist in this State? In answer to this, there is nothing whatever done to see that boilers, when first built, are not defective in design. A large number of new boilers are coming to the front and being introduced in this State, and their construction is a standing invitation to disaster. In the cases of some, experience has already proved this to be a fact, and some of these boilers have been discarded by the original purchasers, sold as second-hand, and are now being used by people ignorant of the risk and under less competent attention. Within a month I have seen a boiler set in Boston, in a crowded district, the design of which is dangerously defective, and which will undoubtedly give trouble to its owners, and possibly to others. Apart from these boilers of special and patented form, usually without intelligent engineering oversight in design, construction or management, boilers of ordinary type are found in which the design is defective, from braces improperly placed, of an insufficient number, and in other ways. These boilers are built on specification of the purchaser, and less frequently is the maker to blame. There is danger in these special boilers, and the last few years has seen their number largely increased, and the subsequent wear and tear upon them has made it so that many of them are now being run upon a low factor of safety.

The second cause, defective material, also undoubtedly exists. The United States inspectors test every plate going into new marine boilers, and are compelled to reject many plates as defective which, without this inspection, would find their way into boilers. No such inspection exists as to stationary boilers, except in some cases where it is so specified in contracts for boilers. It is a fact that the tests so specified have resulted in rejecting many plates before a satisfactory one was obtained. Under the ordinary method these plates would go into boilers without question, although obviously defective. The necessity of testing each individual plate is becoming more universally recognized by the more careful steam-users, and the number of specifications requiring that boiler plates be tested is increasing very largely. If careful engineers recognize the need so far as this, it would seem that the conditions that made it necessary to take this precaution are not of the best. Another fact in this connection is the growing use of western boilers, that are being bought largely because they are so much

cheaper. I have examined some of these boilers when new, and upon them no marks whatever could be found to show the character of the steel or its strength. This condition is a difficult one to regulate, but it could be met by the provision that all boilers built should have plainly marked upon them the tensile strength and brand of steel, and be accompanied by a statement of the tests to which the plate has been submitted, or to do as the United States inspectors do, have every plate bear their seal as the result of tests that have been made. Poor workmanship can be guarded against by proper inspection in the majority of cases, and by an examination of the methods adopted in the different shops. I am confident, however, that the increasing use of cheap western boilers is a matter that needs looking after.

The third condition undoubtedly exists to a great extent. It is the gradual weakening of the boiler by time or neglect. The fact that the boiler insurance companies have found it necessary to inspect so often and so rigidly is evidence, but it is a fact well known among intelligent engineers that there is nothing like a watchful mind to prevent explosions. The defects I have already noted show that enough is not being done by owners of uninsured boilers to protect them from explosion. Many of these boilers reported are positively dangerous. Some have since been removed. Some that were recommended to be removed have not been removed, and in other cases, where dangerous defects were called to the attention of the owners, some have had the boilers repaired, while others have not heeded the recommendations. An examination of the defects found will demonstrate, conclusively I think, that uninsured boilers are not being cared for as they should be.

Mismanagement in operation, the fourth cause of explosions, unquestionably does exist to a considerable extent. Every boiler-maker is collecting every week numbers of illustrations and mementoes of this fact. Scarcely a week passes but boilers burn out, plates are cracked and opened so that the boiler must be shut down, tubes are burned out, bursting or collapsing, plates bulged and bursting open, corroded pipes blown off, steam pipes burst and other accidents happening. These are common accidents, as every boiler-maker's shop can illustrate, but are not given publicity, yet show the weakness that only good fortune has prevented from becoming more disastrous than it has been. It is only when the buildings are levelled or many people are lost that the public hears of the matter; yet it is an undoubted fact that mismanagement and weak boilers do exist, and that it is carelessness or ignorance that brings about either of these conditions.

I do not think it will be necessary for me to explain in detail

further than I have already done how, by mismanagement and ignorance, all these defects can be brought upon a boiler. My reports to you show the facts as I have found them, and the published reports of the results of the inspections by the inspectors of boiler insurance companies are all in the same direction. If there are boilers with dangerous defects, and working under conditions that will rapidly increase the gravity of these defects, and this investigation and previous experience shows such to be the case, it seems that the proper safeguard will be found in an efficient yearly inspection, not by hydrostatic tests alone, but by an internal and external examination. I am satisfied that such inspection is not given these boilers by the men in charge, and that in very few places where the boilers are uninsured are the boilers regularly and intelligently inspected as they should be. The locality has very little influence upon the matter except as the water is well suited or poorly adapted for boiler use. Leaving this aside, there is very little difference between the boilers in different parts of the State visited, nor does the proximity to a boiler-shop seem to affect the matter. The most important influence is the character of the water used. In places where the water is very poor, containing much solid matter in suspension or solution, all this matter is left in the boiler by the steam, and it either forms into a deposit that may soon become a hard and dangerous scale, if not removed, or a dirty, sluggish mass, equally dangerous to the life and strength of the boiler. In these cases it is usual to find a larger proportion of the dangerous boilers, and in the majority of cases they are small towns without a water system, and usually the boilers have a poor attendant. In large towns the water is also often found to be poorly suited for boilers, and dangerous incrustation can form, and many of the large establishments have a private supply of water that is almost always poorly suited for boiler purposes. To overcome this natural defect various compounds are used, but without intelligence, and the result is often not satisfactory, and in many cases has resulted in burned boilers, the engineers being possessed of the idea that the compound has only to be placed in the boiler in order to get rid of the dangerous scale, instead of understanding that the compound was simply to get the scale and deposit in good condition to remove. The result is the precipitation of the scale and collecting together of the dirt upon the fire sheets, preventing the contact of water and plate, and overheating and cracking or bursting open the plate. Where the water is poor a larger proportion of poor boilers may be found, but in every town there is to be found quite a number of bad boilers, so poor as to be notorious to the engineers of the place, and upon examination

will be found to be in charge of no one in particular, and the owner ready to run considerable risk. It is a fact in many instances that these places are the manufactories of well-known and reliable firms, and that they do not keep their boilers in better shape is very much of a mystery. I have gone into factories where it would seem everything must be kept in first-class shape, yet find in the boiler-room old boilers, defective in many important particulars, and absolutely no one in charge who could give an intelligent answer concerning the condition and management of the boilers. "The boiler-maker inspects," was very frequently the answer, and his visits were very frequent, it always appeared, and when the fact was considered that there was no intelligent engineer it is not surprising that the visits of the boiler-maker were so frequently necessary. In many establishments, some with one boiler, and even a dozen boilers, I have been unable to find anybody whom I could honestly call an engineer. Usually the fireman looks after the boilers; the engines were started and looked after themselves, and if anything happened anywhere, the machinist or master mechanic took charge; but this mechanic was in no sense an engineer, or qualified to become one, in my opinion. There was no one with sufficient knowledge of an engineer's duty to realize the necessity of doing the many little things that together preserve the life and strength of a boiler, but which neglected soon render it defective and dangerous.

In many cases the boiler is owned by one party and leased by another. The owner feels no personal interest in the boiler, and the lessee does not feel that he ought to be at the expense of repairs or maintainance, and between the two the man in charge is almost invariably one of the cheapest sort. In one of the dangerous cases included in my reports — a boiler in poor condition, thirty years old, has been twice through a fire, and defective in many particulars — the lessee of the building told me that he did not consider the boiler belonged to him, as he could not remove it from the building, though he had put the boiler there. He had only a short time before his lease ran out, and he might not renew. He did not care to go to the expense of changes, and the man who owned the building said it did not belong to him to do it. This is a common case. Neither will make the repairs, so the old boiler becomes more dangerous every day and no way to prevent its use until repaired.

Another matter that deserves being brought to your attention is the matter of second-hand boilers. When a boiler has been condemned it is usually sold to a dealer in second-hand machinery, or by the owner to another party. A large proportion of these boilers

were considered by their owners too dangerous to use, yet they very frequently, in a large number of cases, get immediately into use again. The purchasers are in most cases ignorant of the gravity of the matter, and have the opinion that the boilers were discarded because too small. They have full confidence that they are in safe condition, until suddenly a dangerous defect appears that forces immediate attention. Several cases have come under my notice illustrating this matter. One of them was the purchasing of a defective boiler, and no one employed to run the boiler who understood the matter. This boiler was bought of a dealer in second-hand boilers, and the purchaser supposed it to be in good condition and just thoroughly overhauled by a well-known boiler-maker and everything looked after. Upon inspecting this boiler I found three cracks from tube to tube; several of the tubes could be moved with the fingers back and forth; one sheet had corroded so that it had completely eaten through the shell; for a distance of several inches the plate was very much reduced in thickness all around this spot; and it was further cracked. All the seams in the fire-box showed considerable corrosion and the tube sheet was wasted so that its strength was materially reduced. This boiler was judged unfit to use, yet had been only a few months from the dealer; but these defects were all of long standing. There is need, it seems to me, for the protection of the public from such boilers as well as need of some regulation as to the future use of boilers condemned as unsafe.

The question of the competency of engineers, so far as the boiler is concerned, is sufficiently answered in what has already been said. In the majority of cases the engineer is the one who is in charge of the boiler, or supposed to be, the fireman having no charge over the boiler except to do the firing and keep up the steam pressure. So long as there is a careful man in this position, one in whom dependence can be placed, no particular qualification is needed in him when there is an engineer about the place thoroughly familiar with the management of the boilers and their condition. A majority of the steam plants are those in which the engineer is supposed to look after the condition of the boilers, and is considered accountable by employers in case of accident. The result of my investigation, it seems to me, indicates very clearly that engineers do not give their boilers that inspection they should have. In many cases I am satisfied that it arises from ignorance of the importance of the matter, and because the engineers would not know what to look for if they should make an inspection. In many cases the employer knows well enough that the man he calls engineer is not able to do such work; but in many other instances I have found

engineers ignorant of the wear and tear of the boiler, yet their employers have expressed at the same time the greatest confidence in their engineers. Where an engineer is in such a position that he would naturally be expected to know just what the condition of the boilers in his plant is, and from careful inspection know as to the safety of the boilers, it seems to me that there should be some way by which the public may know that this man is faithfully caring for his boilers, and that he has sufficient knowledge to make him a competent judge, and also to protect those steam-users who rely upon their engineers' professions of knowledge. The way to accomplish this would be to require every engineer to obtain a certificate of competency, without which he should not be allowed to assume the responsible position of engineer.

In many of our large manufacturing establishments the man in charge of the engine has nothing whatever to say about the boilers and no interest in them, but these cases form a very small minority. The duty of these men is simply to start and stop the engine, keep it properly lubricated, and to be at hand in case of an emergency that would require him to shut down quickly. They do not make repairs on the engine, or do much beyond watching the engine. If there are any repairs to be made, the master mechanic makes them, or a man comes from the shops of the builder of the engine. Then in many other establishments the mechanic starts up the engine in the morning and during the day it receives very little attention from him or any one else. In these places, if any emergency requires the shutting down of the engine, no one is at hand to do so. The law now provides for means of communication between the engine-room and different rooms in the mill, to quickly stop the engine in case of accident. The law assumes that there is some one close to an engine and in charge of it, but in these cases this is not so. And it is in the larger plants, where the engineer does not do the firing, that this is true, the smaller plants having engine and boiler close together, where one man can look after both. In some cases the engine is quite distant from the boiler-room, and the engine has only very slight attention at long intervals by the oiler. In such cases it seems to me that there should be some one near at hand to quickly shut down the engine in case of necessity. Then there is the possibility of something happening to some of the many parts of the engine that requires the presence of some one who is an engineer, and not simply an oiler.

The introduction of the electric current into such general use has made necessary the production of electricity in large central stations, generating steam at high pressures, and producing elec-

tricity by means of large engines. The work upon the engine is simply the turning of an armature of a generator, and the load will depend upon the current produced and the strength of the magnetic field. This load is of such character that it can be instantly thrown off the engine, or a short-circuiting of the current through the generator may bring an enormous load upon the engine, and both these cases may be produced accidentally, without the intervention of any act on the part of the engineer. Whether these peculiarities are the indirect cause or not, it is a fact that from all sections of the country reports are being received of accidents occurring to the engines in electric light stations. These accidents are almost always the bursting of the engine fly-wheel, hurling huge masses of iron, like great cannon balls, in every direction in line with the engine, destroying a large amount of property and killing and injuring many innocent people. We have already had two such accidents in this State, resulting in the death of three people and injuring others. In every case it has been possible to point out that the engine was suddenly relieved of its load in the first place, or else an enormous load on the engine produced a condition that was followed by relieving the engine of its load, and the engine raced sufficiently to overcome the limit of safety and the wheel burst. The direct cause of it all, and I believe it will be found to be the facts in every case, was a failure of the engine governor to do what it was designed to do—that is, control the speed of the engine at all loads. The two accidents that have but recently occurred in our State, and a considerable number in other States, would indicate that the engineers of some of our electric stations need looking after. The two latest fly-wheel accidents that have occurred outside of this State are both directly traceable to ignorance on the part of the engineer. In one case he had taken the governor apart and put it back again in such a way that it could not control the engine under any condition. In the other case the engineer noticed an overload, and to prevent the engine being stopped by the safety device he threw out of position this safety stop, in a determination to keep the engine going at any cost. An instant afterwards the engine was relieved of its load entirely, and the safety device being now out of use, the engine quickly attained a speed sufficient to burst the wheel, and before the engineer could close the throttle and thereby shut off the steam. Both these cases were the result of ignorance on the part of the engineers.

These accidents are by no means confined to electric stations, but are more numerous there because of the ease with which the engine can be relieved of its entire load. You no doubt

remember the sad loss of life and maiming for life of the girls of the drawing-in room of the Amoskeag Mills, in Manchester, N. H., when the fly-wheel of a Corliss engine burst in the basement beneath. This followed after a similar accident in Lynn, and was followed by one equally disastrous at Lowell. The opportunity is less in the ordinary work of an engine driving a mill, but a dangerous rate of speed of the wheel can be attained by the breaking of a governor belt. To guard against this, safety devices are provided, just as a safety-valve is provided on a boiler; but as the accidents noted were possible because these safety devices could not be operated, it is very probable that other plants may be in exactly this position, and only waiting such a combination of circumstances as has wrecked other engines.

I have made a special investigation into this matter, to find out how familiar engineers might be with the matter of engines racing, and how to prevent it. It was by no means an uncommon thing to find the safety device on the governor thrown permanently out of use. The excuse given in every case was that it was too much trouble to start the engine in the morning with this device in operation. So safety was thrown one side and the risk run to save the engineer blocking up the governor when starting in the morning. In other cases the engineers did not know what the safety device was for, and considered they had done something very commendable in overcoming the nuisance of handling the governor when starting up. It had never entered their heads that this device was a safeguard against racing. In one case the engineer recognized the need of a safety device and explained a plan to me by which he was going to put an additional valve on the steam-pipe to be operated from the engine, which in case of high speed would shut off the supply of steam. The necessity of this device did not seem quite clear to me, as I was at that moment looking directly at the safety stop the engine-builders had provided. This particular one was on a gear-driven governor, and designed to prevent racing only, hence caused no trouble in starting up; so the engineer never had had his attention called to it. I asked him if there was not a safety stop already on the engine. He replied that there was not, and began showing me the governor in support of his view. In this case the stop was on the steam-valve gear. I pointed to it and asked him what that was for, and he could find no use for it, and pretended to be very much annoyed with himself when I described its action to him and its use as a prevention against racing. This is but an example of many cases that I found of engineers who did not know enough about the valve gear of their engine to tell what its different parts were for.

In other cases the governors are not provided with a safety device, but depend upon the general principle of the ball governor, that as the speed increased the centrifugal force of the revolving balls would cause them to revolve in such a high plane that the supply of steam would be cut off to the engine. It is possible to so adjust these governors that they will do this, but it can only be done by an adjustment with this end in view, and by an adjustment also of the governor rods at the same time and with this end in view. It is possible, by simply turning these governor rods, to make this adjustment such that it will not cut off the steam from the cylinder, even at the highest plane of rotation of the governor balls, and it is possible also, by the infrequency with which the balls reach this high plane, to so wear the governor that shoulders are formed, by which the upward movement of the governor is limited, and the governor fails to cut off the supply of steam much under that point it is accustomed to do. The ordinary governor is liable to be rendered inoperative as a safety device against racing in other ways as well as these noted, and is only safe when in charge of an engineer who understands fully the proper setting of the engine valves and in their connection with the governor. There are, I find, a large number of engineers who are not so posted, and I have found governors and valves set in such a way that nothing could prevent the engine racing if the belt to the governor should break or the main belt part. It is because of the unreliability of the ordinary governor that safety devices have been designed and placed upon governors and valves that shall be more positive in their operations, and yet it will be seen that an ignorant engineer speedily finds a way of making even these of no use whatever.

I report these facts to you with the statement that an explosion of these fly-wheels can be as far reaching in its disastrous effects as a boiler explosion, and in the case of electric stations is possible to occur at any moment, and can only be prevented by a knowledge on the part of the engineer of just what the danger is, and a knowledge of the governor and valves, and entire familiarity with their action and how they should be set to guard against dangerous racing. It was a part of this investigation to inquire of the engineers of electric stations what they would do in cases of emergency, such as did arise at stations where fly-wheels have burst with disastrous results. This case was the slowing up of the engine, as by the appearance of a tremendous overload. Some would shut down immediately, but the larger number stated that they would expect a short circuit had occurred in the generator, and the first thing to do would be to cut out that

machine. This would change the condition in which the engine was working in an instant from full load to no load, and instantly from a wide-open valve to the valve shut tight, and it would require but a few seconds to reach a rate of speed that would disrupt the wheel. Such an immense and sudden change should never be thought of except the governor is in perfect condition to control the engine. This method of meeting the emergency is to save the generator, trusting to the governor caring for the engine, and has undoubtedly been the cause of accidents to the engine. It needs a perfect governor, and in these very places where the engineer stated he would follow this course I found pretty plain evidences that the governor would not be equal to the emergency. In the cases of the smaller high-speed engines there is the danger of the engineer overhauling the governor and getting it back in such a way that it will not govern, as was the case with the Memphis explosion.

Every engineer, it seems to me, who shall have the control of an engine, should be required to pass an examination in which it should appear that he is familiar with the engine that he is to run in all its parts, particularly those that relate to its safety, and that this examination should be made the more strict as the engine becomes larger and the responsibility greater. In places where there are several engines, under one man, who is chief engineer, I do not think it requires that the men who attend these engines, but who look to the chief for instructions and in overhauling, should be made to pass so strict an examination for this engine, even though it is a large one, as in the cases where they have its whole control. But the chief engineer ought to be a man whose examination shows him to be capable of taking care of, and familiar with, all the engines and boilers under his charge. The man who has sole charge of a boiler and engine, say to 100 horsepower, has much greater responsibility than the man who simply looks out for a much larger engine under the orders of a chief, and therefore his examination should be stricter in accordance. It would not be fair either to require of an engineer that he be familiar with all of the many engines upon the market in all their details, yet he should be familiar with the general principle of them all. But he should be familiar with the details of the engine he intends to run. To cover this matter engineers should be divided into grades, as is now done in the United States service, and in other States authorizing engineers to be licensed, and should be examined and licensed for the particular plants they desire to run. In this way no injustice will be done by requiring a man to know about a plant he is not called upon to run. The engineer who

wishes to run a plant in which is an extensive hydraulic system should be required to know specially about this work, and such knowledge could not in justice be required of a man whose work did not include any hydraulic work. Then the man who has a refrigerating apparatus with his plant ought to know concerning it; but it would not be just to require every engineer to be a refrigerating engineer, when he may never be called upon to use such information. For these reasons the method of licensing for individual plants and by grades seems to be the one best calculated to obtain safety under the various conditions of practice, without injustice in any case.

I feel it my duty also to report to you that I have made inquiries as to how State supervision would be regarded by both engineers and employers. Naturally the objections to license would come from men who feel themselves incompetent to pass an examination. From inquiry among a large number of engineers, to many of whom I expressed the opinion that they would have some difficulty in passing with their present knowledge, I found not more than one dozen who were opposed to submitting to an examination, and my inquiry extended to over five hundred engineers in different parts of the State. It was a very common expression to hear an engineer say that if he could not show he was fit to have charge of his plant he was willing to retire until he could satisfy the public that he was a competent man. I could find but little objection from engineers to being examined and licensed, although they confessed they would have to study up matters that they do not know and matters they have felt they ought to know about, but have felt no incentive to learn. Those manufacturers to whom I have talked expressed the opinion that their engineers were perfectly competent to pass any practical examination; therefore the matter could not affect them at all, and if they could not pass such an examination as the State might require, they wanted very much to find it out. Some did not express any opposition to such a measure, but they thought it would have the effect of raising the wages of engineers by limiting the number available. From my conversations with engineers, however, I am satisfied that the effect of a license law would be to drive engineers to a fuller knowledge of what they should know. In some places I visited, the engineers asked for the names of simple standard works on engines and boilers for the purpose of getting that little technical knowledge they have never possessed, but which they ought to have. A large number of engineers have drifted on and have never learned any more than their experience has taught them, with boilers and engines in a dangerous condition, simply because they have realized no neces-

sity of preparing for accidents by preventing them. After their failure to do this has cost some of them their present positions for lower positions, if their professions are worth believing they will meet the case by learning what they should already know. The effect will be that the standard of engineers will be raised by themselves, though under compulsion, and they will be obliged to show they possess the knowledge that their employers now suppose they possess.

Other manufacturers opposed any interference with what they considered their private affairs, a right to employ whoever they wished, but in almost every such instance the place was found in very poor and dangerous condition, and plainly showing that safety was the last thing thought of, or places where any danger in a boiler was denied. Legislation upon the subject would force these men to employ higher-priced labor as engineers, in place of the common laborers they now have. It was only among the neglected steam plants that any objection to State supervision was found, and these denied the danger, or possessed the peculiar opinion that no one had anything at stake but themselves. The records of thousands of boiler explosions show that innocent lives are lost, and certainly those work people who labor over and around these dangerous and recklessly run boilers and engines have something at stake. It is very seldom that the employer is a victim of a boiler explosion. A property loss is his stake.

REPORT OF INSPECTOR GRIFFIN.

In response to your order calling for my report of the work accomplished during the past year, I most respectfully submit the following:—

The importance of the work that the law relating to the sale and manufacture of clothing made in unhealthy places deals with and its intimate bearing upon the safety of the public health cannot be disputed. That the law is gradually overcoming the evils with which it was intended to deal is surely apparent. State legislation can do very little more than it has done already, unless to entirely prohibit the finishing and making of clothing in any tenement-house, whether it is healthy or unhealthy. To do so would without doubt bring hardship and in many cases great suffering to many private families now thus employed. The only excuse that might be offered for such legislation would be that it is better that the few should suffer for the benefit of the many. One of the amendments to the law of 1892—namely, compelling private families finishing or making clothing at home to procure a license—was

found to be defective, because, while it placed a fine of \$50 upon the poor person doing the work, there was no responsibility whatever upon the person who furnished it. It was discovered that some contractors were taking advantage of this defect in the law and were sending trousers to be finished in unlicensed places. When remonstrated with they generally pleaded ignorance of the law or some equally weak excuse. To remedy this the law was amended by imposing a fine of \$50 upon any person, firm or corporation giving clothing of any kind to be finished or made in any tenement-house by the family dwelling therein, or by any of them, unless they held a license. The practicability of this amendment was readily demonstrated, for shortly after its passage a tour through the unlicensed houses was made and four contractors were discovered violating the law. They were immediately cited into court, found guilty, three of them fined \$50 dollars each, and the other was released after paying the costs of court and promising to discontinue the manufacturing of clothing, and also to leave the city. The effect these convictions had is clearly evident, for no others have since been found violating the law.

Since my report of last year I have inspected 526 tenements; have granted licenses in 216 of them; refused licenses in 305, and 5 have had temporary license extended pending their improvement. Most of the 305 applicants were refused licenses on account of their dirty and repulsive homes, if homes they can be called. Many of them were crowded together so that the possibility of anything like cleanly life was impossible, living in places not fit to stable a horse; apparently willing tenants in these filthy places and authors of their own misfortune and filth. Others were refused not because their own apartments were dirty, but because they were living in tenement-houses filled with so many dirty families that the unhealthy surroundings made them unfit places to have clothing made in. Some have had their licenses revoked for not living up to its requirements in cleanliness; also from moving from one place to another without sending notice of removal.

The license has checked many of the evils complained of, by preventing the indiscriminate finishing of clothing in tenement-houses; and whilst the extinction of all tenement-house work may be the ultimate object sought, still the license is a step in the right direction. Consequently it is so much gain, and will lead towards the desired end by continually diminishing the number of persons employed in these tenement-houses; and although to do this is necessarily the work of time, each year may witness an appreciable decline. Of those who have been granted licenses, at least a half of them are depending upon the finishing of trousers for their

support. Many of them are widows, and the miserable pittance they are obliged to toil for to maintain themselves and children is deplorable. The great bulk of this class of wage-earners just contrive to drag on a more or less cheerless existence by means of this intense and bitter drudgery. They have no homes that they can call their own beyond the end of a week ; have nothing of value of any kind except a few articles of household furniture ; have the precarious chance of weekly wages, which barely suffices to keep them alive, and are separated by so narrow a margin from destitution that a month of bad trade, sickness or unexpected loss brings them face to face with hunger and pauperism. Their poverty cannot be ignored ; we are confronted with the stern fact that hundreds of our fellow-creatures are at present doomed to lives of misery, ministering in a way to the wants of others, but unable to satisfy their own, and with little or no hope this side of the grave, whither they are prematurely hastening. They are outside of the factory laws, and work twelve, fourteen and sixteen hours a day. Their employment, of course, is more or less irregular because of taking care of their homes and children, but a just reward for their labor would enable them to procure better homes, better food, and to take better care of their children, instead of having them to become a burden on the community, as many of them now do.

There is another danger to the health of the community from a source that appears to have been overlooked. Many of the people who have been refused licenses secure work finishing clothing in the various tailor shops and still live in their dirty abodes, where very often scarlet fever and diphtheria break out. If children dwelling in tenement-houses where these diseases exist are prevented from attending school through fear of their carrying the disease to the other children, why should not adults who dwell in them be prevented from entering workshops while the disease exists? It would seem that they are liable to carry disease to the other employees and also contaminate the clothing upon which they work. If many of the workshops which are located in the poor city districts and draw their supply of health from the unhealthy tenement-houses were removed to the country districts, they could command a cleaner and healthier class of help and most likely would force a great many who are now employed by them and living in unhealthy places to follow them to the country, where they would secure good, healthy homes. It lies within the power of the clothing merchants themselves to completely stop all tenement-house work by compelling their various contractors to finish the garments entire in their workshops. They may not be

able to do so at once, but they could accomplish it gradually. No doubt it would compel some contractors to secure larger shops than they have at present and slightly increase the rent, but the expense would be too small to speak of in comparison with the good which in time would result.

During the past year five attempts were made to establish tenement-house workshops wherein others than members of the family were employed. They were early discovered and immediately abolished. It is impossible under the present law for this class of workshops to exist.

There is a feature of the inspection work of this department that is anything but pleasant, and that is visiting tenement-houses where scarlet fever and diphtheria exist, in order to ascertain if any clothing is finished or made in them. One of the requirements of the license is that when any contagious or infectious disease breaks out in any part of the building in which a party holding a license lives they must immediately send notice to this office, under penalty of losing their license if they fail to do so. In order to make certain that this requirement is observed it is necessary to enter all tenement-houses where these diseases exist, if we have the least suspicion that clothing is being made or finished in them. There is no more thorough way of doing this than by obtaining a list of such places from the records at the office of the board of health and comparing it with our record. In so doing I have been most courteously treated and assisted by that department.

The several trips to New York were very successful, and the garments found in tenement-houses were privately marked, traced to Boston, and when the dealers to whom they belonged exposed them for sale they were compelled to tag them as "tenement-made," according to the requirements of the law.

The regular workshops were, with few exceptions, in fairly good condition, although several demanded improvement in keeping their water-closets clean and the floors clear from rags and ashes. Orders have been issued in all such cases, with beneficial results. The employment of children in such workshops shows a marked decrease.

The fifty-eight-hour law has been observed, which indicates a desire on the part of the employers to respect and conform to all the factory laws.

REGULAR WORKSHOPS,

JOHN E. GRIFFIN, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliance.	
		Males.	Females.	Under 14.				14 to 16.
BOSTON.								
Goldstein & Sugerman,	Trousers, . . .	10	8	-	Fair, .	Post time-table; send minors to school.	Complied.	
A. Rutman, . . .	Ladies' custom garments	2	1	-	Fair, .	Post time-table, . . .	Complied.	
H. Keshenofsky, . . .	Knee pants, . . .	7	2	2	Fair, .	None, . . .	-	
Orintlichir & Kopleman,	Trousers, . . .	12	3	-	Bad, .	Secure proper workshop, . . .	-	
Wendell Phillips Tailor Shop,	Clothing, . . .	4	32	-	Fair, .	Post time-table, . . .	Complied.	
Louis Sakin, . . .	Knee pants, . . .	8	3	-	Poor, .	Post time-table; clean workshop; clean and designate water-closets.	Complied.	
Joseph Becker, . . .	Vests, . . .	6	2	-	Poor, .	Post time-table; clean workshop; clean and designate water-closets.	Complied.	
Rhotberg & Goldstein,	Trousers, . . .	15	4	-	Fair, .	Clean water-closet; obtain certificate for minor.	Complied.	
A. Cohen & Co., . . .	Clothing, . . .	6	-	-	Fair, .	None, . . .	-	
Kingston Pants Co., . . .	Trousers, . . .	3	2	-	Fair, .	Post time-table; designate water-closets.	Complied.	
Lyon & Sworoski,	Clothing, . . .	11	29	-	Fair, .	None, . . .	-	
Corwin & Cohen,	Coats, . . .	20	9	-	Fair, .	Post time-table; designate water-closets.	Complied.	
L. Applebaum, . . .	Trousers, . . .	20	12	-	Fair, .	Post time-table; designate water-closets.	Complied.	
Bartkiewicz & Splitt, . . .	Coats, . . .	15	16	-	Fair, .	None, . . .	-	

J. Kraus, Solomon Bros.,	Coats, Coats,	. .	. .	. .	. .	. .	26 8	10 7	— —	— —	Fair, Good,	None, Designate water-closets; post time- table.	. .	. .	. .	. .	. .	— Complied.
A. Bloom,	Coats,	.	.	.	.	.	16	12	—	—	Good,	Post time-table; designate water- closets; obtain certificates for minors	.	.	.	.	.	Complied.
M. S. Gulesian, D. Lipson, M. Rosenberg,	Coats, Trousers, Trousers,	. . .	. . .	. . .	. . .	. . .	5 7 6	2 16 5	— — —	— — —	Good, Fair, Poor,	Post time-table, None, Post time-table; provide and design- ate water-closets.	. . .	. . .	. . .	. . .	. . .	Complied. — Complied.
A. Aviafore, M. Jackson, Samuel Steinberg, B. Orintlichir,	Coats, Coats, Trousers, Trousers,	. . . .	. . . .	. . . .	. . . .	. . . .	19 14 10 9	6 7 10 6	— — — —	— — — —	Fair, Fair, Poor, Poor,	None, None, Furnish and designate water-closets, Obtain certificates for minors; pro- vide and designate water-closets.	. . . .	. . . .	. . . .	. . . .	. . . .	— — Complied. Complied.
A. Jacobs, A. Shuman & Co., S. Livingston, W. W. Mayhew,	Trousers, Clothing, Coats, Overalls, shirts, etc.	. . . .	. . . .	. . . .	. . . .	. . . .	8 117 15 4	13 69 4 12	— — — —	— — — —	Fair, Good, Fair, Fair,	None, None, None, Obtain certificate for minor; design- ate water-closets.	. . . .	. . . .	. . . .	. . . .	. . . .	— — — Complied.
L. Daniels, Lizzie Lougee, I. Fleisher, Greenberg & Standard,	Coats, Vests, Trousers, Coats,	. . . .	. . . .	. . . .	. . . .	. . . .	12 1 3 13	7 12 17 10	— — — —	— — — —	Fair, Fair, Fair, Poor,	None, None, None, Provide and designate water-closets; post time-table; obtain certificate for minor.	. . . .	. . . .	. . . .	. . . .	. . . .	— — — Complied.
F. L. Dunne, D. Nurenberg, I. L. King,	Trousers, — Coats,	. — .	. — .	. — .	. — .	. — .	5 7 30	14 11 30	— — —	— — —	Fair, Good, Good,	None, None, None,	. . .	. . .	. . .	. . .	. . .	— — —

* Abolished.

REGULAR WORKSHOPS — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
BOSTON — Continued.								
Cohen Bros.,	Coats,	19	13	—	—	Poor, .	Post time-table; provide and designate water-closets.	Complied.
A. Balkim,	Coats,	20	16	—	—	Poor, .	Provide and designate water-closets.	Complied.
S. Calish,	Coats,	17	13	—	—	Fair, .	None,	—
D. Marks,	Coats,	20	10	—	—	Fair, .	None,	—
Lyon & Scolpenetti,	Coats,	19	5	—	—	Fair, .	None,	—
Miner, Beal & Co.,	Clothing,	10	54	—	—	Good, .	Post time-table,	Complied.
J. Wilty,	Coats,	12	10	—	—	Fair, .	None,	—
L. Gold,	Coats,	18	8	—	—	Fair, .	None,	—
J. J. Hemmerdinger,	Knee pants,	20	15	—	—	Fair, .	Post time-table; obtain certificate for minor.	Complied.
L. Bloom,	Trousers,	8	4	—	—	Fair, .	None,	—
Louis Rubin,	Trousers,	11	5	—	—	Fair, .	None,	—
Jacob Shannahofski,	Vests,	2	5	—	—	Fair, .	None,	—
Morris Levy,	Coats,	6	22	—	—	Fair, .	Post time-table,	Complied.
Jacob Shulman,	Coats,	8	7	—	—	Fair, .	None,	—
Freedman & Elkin,	Trousers,	12	8	—	—	Fair, .	None,	—
Jos. Fredericks,	Coats,	17	8	—	1	Fair, .	Obtain certificate for minor,	Complied.
Goldberg & Levy,	Coats,	18	6	—	—	Fair, .	None,	—
M. Migliere,	Coats,	10	3	—	—	Fair, .	None,	—
Frank Dimase,	Coats,	16	8	—	1	Fair, .	Post time-table,	Complied.
S. Moore,	Trousers,	4	35	—	—	Good, .	None,	—

P. J. Riley, . . .	Coats, . . .	45	18	—	—	Good, . . .	None, . . .	. . .	—
M. Pesa, . . .	Coats, . . .	17	7	1	—	Good, . . .	Obtain certificate for minor, . . .	. . .	Complied.
Israel Levy, . . .	Trousers, . . .	5	15	—	—	Fair, . . .	None, . . .	. . .	—
B. Goldstein, . . .	Knee pants, . . .	5	1	—	—	Fair, . . .	None, . . .	. . .	—
Michael Fabrizio, . . .	Custom clothing, . . .	3	4	—	—	Poor, . . .	Post time-table; provide and designate water-closets.	. . .	Complied.
Bernau & Shanker, . . .	Trousers, . . .	3	2	—	—	Fair, . . .	None, . . .	. . .	—
Jacob Loewenberg, . . .	Trousers, . . .	9	9	—	—	Fair, . . .	Post time-table, . . .	. . .	Complied.
Herman Davis, . . .	Coats, . . .	13	7	—	—	Fair, . . .	None, . . .	. . .	—
S. Cohen, . . .	Coats, . . .	12	6	—	2	Fair, . . .	Obtain certificate for minor; post time-table.	. . .	Complied.
James H. Stone, . . .	Trousers, . . .	3	2	—	—	Fair, . . .	Post time-table, . . .	. . .	Complied.
M. Goldberg, . . .	Trousers, . . .	5	10	—	—	Fair, . . .	None, . . .	. . .	—
H. Rotman, . . .	Shirts, . . .	2	3	1	—	Fair, . . .	Post time-table; obtain certificates for minors; designate water-closets.	. . .	Complied.
D. Harris, . . .	Coats, . . .	26	24	—	—	Fair, . . .	None, . . .	. . .	—
L. Gaetan, . . .	Coats, . . .	16	12	—	—	Fair, . . .	None, . . .	. . .	—
Morris Segartsofsky, . . .	Trousers, . . .	13	10	—	—	Poor, . . .	Clean workshop, . . .	. . .	Complied.
I. Simons, . . .	Coats, . . .	17	7	—	—	Fair, . . .	None, . . .	. . .	—
W. Messing, . . .	Coats, . . .	44	16	—	—	Fair, . . .	None, . . .	. . .	—
Orindichir & Kopleman, . . .	Trousers, . . .	5	2	—	—	Bad, . . .	Clean and lime-wash shop; keep water-closets clean.	. . .	Complied.
H. Levi, . . .	Coats, . . .	65	31	—	—	Good, . . .	None, . . .	. . .	—
D. Levi, . . .	Coats, . . .	12	28	—	—	Good, . . .	None, . . .	. . .	—
Jacob Insem, . . .	Vests, . . .	6	3	—	—	Bad, . . .	Post time-table; provide and designate water-closets; clean work-shop.	. . .	Complied.
M. Yeretsky, . . .	Coats, . . .	23	10	—	—	Fair, . . .	None, . . .	. . .	—
Hersch & Janosky, . . .	Coats, . . .	13	7	—	—	Fair, . . .	None, . . .	. . .	—

REGULAR WORKSHOPS — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.		Females.	Under 14.				14 to 16.
BOSTON — <i>Concluded.</i>									
Richmond Manufacturing Co.,	Ladies' wrappers,	5	14	—	—	Poor,	Post time-table; provide and designate closets.	—*	
C. Abrahams,	Coats, . . .	33	31	—	—	Fair,	None,	—	
Feinberg & Frankel,	Ladies' wrappers,	4	15	—	2	Fair,	Post time-table; designate water-closets.	Complied.	
N. Aronson,	Ladies' wrappers,	1	6	—	—	Fair,	Post time-table,	Complied.	
L. Cohen,	Coats, . . .	3	1	—	—	Fair,	Post time-table,	Complied.	
J. H. Stone,	Trousers, . . .	14	8	—	—	Fair,	None,	—	
Gilstein & Simon,	Vests, . . .	6	2	—	—	Fair,	Post time-table,	Complied.	
Shaw Bros.,	Shirts, overalls, etc.,	6	—	—	—	Fair,	Post time-table,	Complied.	
Jacob Lavine,	Ladies' dresses, . .	2	2	—	—	Fair,	Post time-table; supply and designate water-closets.	—†	
WORCESTER.									
Ware, Pratt & Co,	Clothing, . . .	20	40	—	—	Fair,	Post time-table; designate water-closets.	Complied.	
Worcester Pants Co.,	Trousers, . . .	10	25	—	—	Fair,	None,	—	
Nathan Miller,	Ladies' underwear,	1	3	—	—	Fair,	Post time-table,	Complied.	
Abraham Israel,	Ladies' underwear,	3	10	—	1	Fair,	Obtain certificate for minors,	Complied.	
Samuel Mehikov,	Children's suits, . .	15	16	—	6	Fair,	Obtain certificate for minors; post time-table.	Complied.	

* In process of compliance.

† In process.

TENEMENT-HOUSE WORKSHOPS, BOSTON, JOHN E. GRIFFIN, *Inspector.*

WORKSHOP.	Street and Number.	Goods Manufactured.	NUMBER EMPLOYED.		Orders Given.	Compliances.
			Males.	Females.		
Jacob Nadeson, .	3 Samoset Place, .	Shirts,	2	9	Post time-table; provide and designate water-closets; merchants to tag shirts.	—*
John Latham, .	812 Washington St.,	Finishing trousers,	—	13	Secure proper workshop,	Abolished.
David Ratefski, .	29 Tilston Street, .	Knee pants, . . .	2	—	Secure proper workshop; notified clothing merchants and they immediately withdrew garments.	Abolished.
Morris Simon, .	35 Oneida Street, .	Coats,	2	1	Clothing merchant to tag garments; occupant to secure proper workshop.	—†
Jacob Perlstein, .	71 Salem Street, .	Mackintosh coats,	4	2	Secure proper workshop,	Abolished.

* Shirts tagged; workshop abolished.

† Garments tagged; workshop abolished.

REPORT OF INSPECTOR PLUNKETT.

In conformity with orders received, I submit herewith a report of the work performed by me during the year, and also a brief review of the effect of the laws which it is my duty to enforce and which are contained in chapter 296 of the Acts of 1892 and chapter 246 of the Acts of 1893, and which relate to the manufacture and sale of wearing apparel within the State.

The most important portion of the law, and to which I have given the most careful attention, is that part of section 1 which requires the obtaining of a license in order to make wearing apparel in a private house or private rooms by the immediate family dwelling therein. While this part of the statute is generally well observed, the number of applicants steadily increases as the law is being understood and applied to the many different branches of business that are affected by it, including, as it does, all kinds of wearing apparel; and with this amendment the end sought for can be obtained by constant inspection and a careful watch over the buildings in which the people so employed are living; and while, perhaps, it is impossible to note every infraction of the law, still by the operation of this license clause these dwellings are definitely located and more easily watched.

The importance of this portion of the law and its bearing upon the health and happiness of the community cannot be overestimated, as by its enforcement the scattering of the germs of contagious disease among the people is in a great measure prevented; in fact, as much as is possible without legislative enactment prohibiting the making of wearing apparel in any place used as a dwelling even by the members of the family dwelling therein, and which is the plan advanced by many as the only solution of this problem. But the law as it is enforced at the present time is a great improvement upon previous conditions, and has had the effect of curtailing the amount of work previously done in this way in the ready-made clothing trade.

The enforcement of this part of the law is a very difficult matter, as the inspector must set his own standard of cleanliness; and the people engaged in this industry are for the most part residents of the poorest and most thickly settled portions of large cities. Most of them depend upon this occupation for a livelihood, and the opportunity to work longer hours than in a workshop is an inducement to encourage this kind of employment. They are, of course, the poorest of our population, many of them mothers, endeavoring to support families by their own efforts, and the compensation being so small as to require their continual attention to

their labor, to the detriment of their homes, their families and their own health. Being tenants who are obliged to pay weekly rentals, their independence is stunted and their efforts towards elevation and improvement are materially hindered by their extreme helplessness and poverty. To deprive some of them of their licenses, thereby preventing them from getting employment, meant misery and destitution for them and their families, and I have done so only when it was impossible to perform my duty by any other means. While much has been said and written in relation to this class of toilers, and to the people who live under the same conditions, and many ideas have been advanced for their improvement, still, to my mind, the only way of improving these conditions is by stringent building laws in relation to tenement-house property which will prevent the building of houses of great depth, and also prevent the covering of the entire ground area, leaving no yards or fresh-air spaces, thereby depriving children of play-grounds other than the public streets; the widening of the alleys and making streets of the same, thereby doing away with some of the worst tenement property; also a strict enforcement of all sanitary laws entrusted to local boards of health. While the plan for suburban homes is a very good one, yet while the tenement property exists in our cities there will always be plenty to occupy them, and here is where every effort should be exerted to improve the condition of these buildings.

There have been four prosecutions during the year for violation of section 1, in relation to licenses, each of which resulted in a conviction, and has effectually put a stop to sending clothing to unlicensed places.

Of the tenement-house workshop I have discovered but two during the year, and these were started in ignorance of the law, and were abolished immediately upon discovery and application of the penalty, namely, tagging of the goods made therein, which was accomplished without friction and with a full respect for the law.

The small percentage of clothing which is made outside the State for our merchants, so far as my knowledge goes, is, I believe, done under the requirements of the law, and I feel that the danger of infection from this source has decreased to a minimum, owing to the enforcement of similar laws in other States, and particularly in New York, where the great portion of such clothing is made.

Of the regular workshops which I have inspected during the year I have found the majority to be in a good condition as regards sanitation and ventilation, this being particularly true of the larger shops. In many of the smaller ones, however, the laws regulating the sanitary appliances is still difficult of enforcement, owing to

the location of many of them in buildings where a great number of small concerns are located, and the responsibility for cleaning and caring for them is very often a hard matter to determine, and also the impossibility of providing each workroom with two closets, on account of the large number of shops in some buildings. The employment of children has, I think, materially decreased during the year, and the laws regulating their employment is respected and complied with in my district.

The law limiting the hours of employment of women and minors to fifty-eight hours per week is strictly complied with, but has had a tendency to decrease the number of women employed, which fact will be more clearly shown in later reports; as the dull times of the past year have affected this industry very perceptibly, and, aided by differences between employees and the clothing manufacturers, practically stopped the manufacture of ready-made clothing in the city of Boston. Notwithstanding the many difficulties to be encountered in enforcing these laws, steady progress and improvement have been made, and will continue until all the different obstacles are overcome and a fitting standard reached to which a trade of such great importance is entitled, and the evil consequences left by the introduction of so dangerous a system of manufacture are entirely eradicated.

I have inspected during the year 487 tenement-houses where licenses were requested, with the following result: 258 licenses have been granted, 210 applicants have been refused licenses, and 19 are withheld pending removal or an improvement in the condition of their dwellings.

REGULAR WORKSHOPS, JOHN H. PLUNKETT, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.	
		Males.		Females.	Under 14.				14 to 16.
BOSTON.									
Derby Manufacturing Co.,	Dresses,	1	5	—	—	Poor,	Post time-table,	Complied.	
Harris Schwartz,	Trousers,	5	5	—	—	Fair,	Post time-table,	Complied.	
Berman & Gordon,	Children's cloaks,	2	9	—	1	Fair,	Post time-table,	Complied.	
Snyder & Hanflig,	Trousers,	10	5	—	—	Poor,	Post time-table,	Complied.	
Guren & Levy,	Trousers,	14	12	—	—	Fair,	None,	—	
A. Korinski,	Children's coats,	14	7	—	—	Fair,	Post time-table,	Complied.	
B. P. Lewis,	Custom clothing,	2	4	—	—	Fair,	Post time-table,	Complied.	
A. Rand,	Custom clothing,	1	2	—	—	Good,	Post time-table,	Complied.	
C. A. Bacon,	Custom clothing,	1	2	—	—	Good,	Post time-table,	Complied.	
Jos. W. Parker,	Custom clothing,	12	32	—	—	Fair,	Post time-table,	Complied.	
Sterman I. Barnott,	Coats,	4	4	—	—	Fair,	Post time-table,	Complied.	
A. Kolski,	Coats,	20	15	—	—	Good,	None,	—	
A. Bronski,	Coats,	27	14	—	2	Fair,	Clean water-closets; post time-table,	—	
S. Bronski,	Coats,	22	14	—	1	Fair,	Clean water-closets; post time-table,	—	
F. Cohen,	Trousers,	24	5	—	—	Poor,	Clean halls, room and water-closets,	Complied.	
Julius Koppel,	Coats,	20	10	—	2	Poor,	Clean halls, room and water-closets,	Complied.	
Belofsky, Seigel & Sternburne,	Coats,	12	5	—	1	Poor,	Clean halls, room and water-closets,	Complied.	
Max Louis,	Trousers,	9	10	—	—	Poor,	Clean halls, room and water-closets,	Complied.	
B. Wolfson,	Children's trousers,	7	2	—	—	Poor,	Clean halls, room and water-closets,	Complied.	
May & Silverstein,	Children's trousers,	6	—	—	—	Fair,	None,	—	

REGULAR WORKSHOPS — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Under 14.		14 to 16.	Females.			
		Males.						
BOSTON — <i>Continued.</i>								
Louis Goldstein, . . .	Trousers, . . .	10	2	—	—	Poor, .	Clean water-closets, .	Complied.
Wasserman & Meranus, . . .	Trousers, . . .	24	9	—	—	Poor, .	Clean water-closets, .	Complied.
Jacob Feinstein, . . .	Trousers, . . .	9	1	—	—	Poor, .	None, . . .	—
L. Cohen, . . .	Coats, . . .	18	4	—	—	Good, .	Designate water-closet; post time-table.	Complied.
Leftovith & Goldstein, . . .	Coats, . . .	24	11	—	1	Good, .	None, . . .	—
James White, . . .	Custom clothing, . . .	3	2	—	—	Good, .	Post time-table, . . .	—
S. Merrill, . . .	Custom clothing, . . .	2	1	—	—	Good, .	None, . . .	—
J. F. Anderson, . . .	Custom clothing, . . .	3	2	—	—	Fair, .	Designate water-closet; post time-table.	—
Harris & Co., . . .	Custom clothing, . . .	2	—	—	—	Fair, .	None, . . .	—
Geo. T. Lewis, . . .	Custom clothing, . . .	5	8	—	—	Fair, .	Designate water-closet; post time-table.	—
Geo. DeBurritz, . . .	Custom clothing, . . .	2	—	—	—	Fair, .	None, . . .	—
I. Sager, . . .	Custom clothing, . . .	1	1	—	—	Fair, .	None, . . .	—
Suffolk Suit Co., . . .	Custom clothing, . . .	3	1	—	—	Fair, .	None, . . .	—
Henry May, . . .	Children's trousers, . . .	4	2	—	—	Poor, .	Furnish water-closet; post time-table.	Complied.
Max Oberman, . . .	Trousers, . . .	11	2	—	—	Poor, .	Furnish water-closet; post time-table.	Complied.
J. Feinstein, . . .	Trousers, . . .	9	—	—	—	Poor, .	To clean halls and water-closets, .	Complied.
H. Brenner, . . .	Trousers, . . .	10	3	—	—	Fair, .	To clean halls and water-closets, .	Complied.

S. Levine,	Trousers,	9	5	-	Poor,	To clean halls and water-closets,	Complied.
Joseph Cohen,	Trousers,	6	3	-	Poor,	Furnish water-closet,	Complied.
Marks Goldberg,	Trousers,	21	10	-	Fair,	None,	-
Sie Kasden,	Coats,	14	5	-	Fair,	Post time-table; procure certificate for minor,	Complied.
M. Goldstein,	Trousers,	20	11	-	Fair,	Post time-table; procure certificate for minors,	Complied.
Cohen Bros.,	Coats,	27	8	-	Fair,	Procure certificate for minor,	Complied.
Philip Pearlstein,	Coats,	29	11	-	Fair,	Procure certificate for minor,	Complied.
Freitz & Cohen,	Children's coats,	16	5	-	Fair,	Post time-table,	Complied.
Morris Feinstein,	Trousers,	6	7	-	Fair,	Post time-table,	Complied.
Miss M. Cook,	Vests,	1	14	-	Good,	None,	-
G. H. Gilbert,	Coats,	14	4	-	Good,	None,	-
Samuel Barkan,	Coats,	5	1	-	Good,	None,	-
H. Goldstein,	Coats,	11	9	-	Good,	None,	-
Back & Lef,	Coats,	19	8	-	Good,	None,	-
Joseph Rosenberg,	Children's coats,	52	20	-	Fair,	None,	-
Morris Solomon,	Coats and trousers,	22	12	-	Good,	None,	-
F. Numan,	Coats,	1	2	-	Fair,	None,	-
M. Copelman,	Coats and vests,	8	1	-	Fair,	None,	-
Shulman & Suvalsky,	Coats,	15	5	-	Fair,	Post time-table; certificate for minor,	Complied.
Lasserson & Kronberg,	Coats,	30	24	1	Good,	Post time-table; certificate for minor,	Complied.
Greenbaum & Greenburgh,	Coats,	18	19	1	Good,	Certificate for minor,	Complied.
Isaac Telk,	Trousers,	5	3	-	Fair,	Post time-table,	Complied.
Louise Martins,	Trousers,	3	14	-	Fair,	None,	-
H. Guren,	Children's trousers,	-	-	-	-	-	-
G. Alshunazky,	Children's trousers,	6	3	-	Poor,	Post time-table,	Complied.
A. Cohen,	Coats,	16	3	-	Fair,	Post time-table,	Complied.
Goldman & Goldburg,	Trousers,	2	-	-	Good,	None,	-

REGULAR WORKSHOPS — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
BOSTON — Concluded.								
A Kurinsky, . . .	Children's coats, .	27	13	—	—	Good, .	. . .	—
Nafinsky & Soraksen, . . .	Shirts and trousers, .	9	13	—	—	Good, .	. . .	—
Wasserman & Oberman, . . .	Trousers, . . .	28	10	—	1	Good, .	. . .	—
J. McDonald, . . .	Custom clothing, .	15	10	—	—	Fair, .	. . .	—
F. Carlton, . . .	Custom clothing, .	4	6	—	—	Fair, .	. . .	—
M. Hyde, . . .	Custom clothing, .	15	3	—	—	Fair, .	. . .	—
J. N. Tiehell, . . .	Coats, . . .	3	1	—	—	Good, .	. . .	—
A. Martinson, . . .	Custom clothing, .	8	2	—	—	Fair, .	. . .	—
Miss M. E. Patterson, . . .	Vests, . . .	—	10	—	—	Fair, .	. . .	—
M. Bernstein, . . .	Trousers, . . .	7	5	—	—	Fair, .	. . .	—
L. Fleidleman, . . .	Coats, . . .	5	3	—	—	Fair, .	. . .	—
F. Whalen, . . .	Trousers, . . .	5	20	—	—	Good, .	. . .	—
T. Maher, . . .	Coats, . . .	8	4	—	—	Good, .	. . .	—
L. W. Barron, . . .	Trousers, . . .	3	20	—	—	Fair, .	. . .	—
J. Bruno, . . .	Coats, . . .	13	1	—	—	Fair, .	. . .	—
A. Halstram, . . .	Custom clothing, .	27	5	—	1	Fair, .	. . .	—
P. O'Hare, . . .	Coats, . . .	5	—	—	—	Fair, .	. . .	—
R. McCoulan, . . .	Coats, . . .	15	6	—	—	Fair, .	. . .	—
M. Philipps, . . .	Coats, . . .	7	1	—	—	Fair, .	. . .	—
Plymouth Rock Pants Co., . . .	Clothing, . . .	114	176	1	3	Good, .	. . .	—
Freeland, Loomis Co., . . .	Clothing, . . .	17	66	—	—	Good, .	. . .	—

M. Ascher,	Trousers,	11	20	—	—	Good,	None,	—	—
R. O'Brien,	Custom clothing,	5	25	—	—	Good,	None,	—	—
Feinstein Bros,	Trousers,	21	13	—	—	Fair,	None,	—	—
Mrs. Quill,	Vests,	—	13	—	—	Good,	None,	—	—
D. Corderelli,	Coats,	9	1	—	—	Good,	None,	—	—
Geo. R. Niles,	Trousers,	1	6	—	—	Fair,	None,	—	—
T. Bragen,	Vests and trousers,	2	16	—	—	Good,	None,	—	—
J. Levine,	Coats,	46	36	—	—	Fair,	None,	—	—
J. K. Dean,	Custom clothing,	2	10	—	—	Good,	None,	—	—
H. Lord,	Coats and trousers,	6	4	—	—	Fair,	None,	—	—
O. Larson,	Custom clothing,	35	14	—	—	Good,	None,	—	—
C. Tornquest,	Coats,	9	4	—	—	Good,	None,	—	—
J. Grady,	Trousers,	3	14	—	—	Good,	None,	—	—
J. Tilburg,	Coats and trousers,	3	4	—	—	Fair,	None,	—	—
J. Lindvell,	Coats,	11	1	—	—	Fair,	None,	—	—
J. Westerland,	Coats,	4	2	—	—	Fair,	None,	—	—
H. Leondar,	Vests,	3	2	—	—	Fair,	None,	—	—
S. Greiff,	Coats,	2	1	—	—	Fair,	None,	—	—
V. Dengrist,	Coats,	3	1	—	—	Fair,	None,	—	—
S. Gold,	Vests,	2	1	—	—	Fair,	None,	—	—
S. Garabedian,	Coats,	2	—	—	—	Good,	None,	—	—
E. F. Simpson,	Coats,	3	—	—	—	Good,	None,	—	—
CHELSEA.									
Hannah Foye,	Vests,	3	24	—	—	Good,	None,	—	—
Julia Sparks,	Vests,	2	4	—	—	Fair,	Post time-table; designate water-closet.	—	—
Mrs. L. D. Clark,	Vests,	1	4	—	—	Good,	None,	—	—

REGULAR WORKSHOPS — *Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
CAMBRIDGE. Plymouth Rock Pants Co., No. 1, A. S. Harvey, Plymouth Rock Pants Co., No. 2,	Trousers, . . .	-	19	2	-	Bad, .	Provide better ventilation; furnish water-closet; enlarge room.	Vacated.
	Custom clothing, .	-	3	9	-	Fair, .	None,	-
	Trousers, . . .	1	10	1	1	Fair, .	None,	-

TENEMENT-HOUSE WORKSHOPS, JOHN H. PLUNKETT, *Inspector.*

WORKSHOP.	Street and Number.	Goods Manufactured.	NUMBER EMPLOYED.		Orders Given.	Compliance.
			Males.	Females.		
BOSTON. S. Schwartz, . H. Hapsman, .	62 Joy Street, . 140 Merrimac St., .	Trousers, . . . Clothing, . . .	2 2	3 -	Merchant to affix tag to goods, . . . Affix tag to goods,	Abolished. Abolished

REPORT OF INSPECTRESS HALLEY.

With the close of the year comes the duty of sending you a tabulated report of the work done.

Lowell and Lawrence being the largest factory places in the district assigned me, I have made a pretty thorough canvass of the mills, and after comparing the number of children under sixteen years employed in 1892 with the present year it is extremely gratifying to note the general decrease in the number employed. Perhaps it is not a fair estimate, as, owing to the general depression in business, many of the very young children were allowed to go and older ones substituted. In Lowell only 67 regular certificates were given to children under fourteen years of age, and in Lawrence 181, nearly 100 less than the previous year. Manufacturers say that they prefer waiting till a child has attained his fourteenth year before employing him, as it is a source of annoyance to many manufacturers to be obliged to send out children to attend school the number of weeks required by law. It also necessitates making out a new certificate. This practically raises the school age to fourteen years.

The success of our inspection work is greatly aided by the co-operation of truant officers and overseers, who are, almost without exception, ready to assist inspectors in the work of looking after the children. The people are united, without doubt, in the determination that all children shall be better educated, and with this support the prospect for the future working men and working women is one of increasing usefulness.

In my last year's report I called attention to the very long hours required in mercantile establishments and the necessity of legislation in that direction. So many complaints come to me from those places that it would be well if the fifty-eight or even sixty hour law could reach them. The sixty hour law can be applied only to minors under eighteen years of age.

From the fact that employers and owners have shown a disposition to obey the law and a willingness to assist the inspector, it is very evident that there is fairness and justice in the laws made for the benefit of working people.

SPECIAL DUTY,

MARY E. HALLEY, *Inspector.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
WEBSTER.								
H. W. Slater's Mill,	Cotton cloth, .	243	176	—	42	Poor, .	Open outside doors outward; procure six certificates; discharge boy ten years old; provide better sanitararies.	Complied.
Slater Woollen Mill,	Dress goods, .	606	303	—	26	Good, .	Provide additional closet in burling-room; provide seats for women; guard entrance to elevator well.	Complied.
Green Mill,	Print goods, .	140	25	—	8	Good, .	Provide seats for women; clean closets.	Complied.
A. J. Bates & Co.,	Boots and shoes, .	100	75	—	21	Good, .	Procure three certificates,	Complied.
OAKDALE.								
West Boylston Manufacturing Co.,	Sheeting and drilling.	166	129	—	22	Good, .	Dismiss girl ten years old; dismiss two boys twelve years old; procure six certificates; clean and designate closets.	Complied.
Harris Mill,	Shoe linings, .	47	34	1	5	Good, .	Keep closets clean,	Complied.
Clarendon Mill,	Satines,	28	67	—	18	Good, .	Provide five additional closets; guard gears on old hoisting frames; procure eight certificates.	Complied.
S. R. Warfield,	Cotton yarn, .	8	4	—	1	Good, .	Provide closet,	Complied

SPECIAL DUTY, MARY E. HALLEY, *Inspectress — Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
DRACUT.								
Merrimack Mill, . . .	Shawls, . . .	275	150	—	11	Good, .	None, .	—
Collins Woollen Mill, . . .	Dress goods, . . .	209	59	1	14	Good, .	None, .	—
GARDNER.								
Haywood Bros. & Co., . . .	Rattan chairs, . . .	1000	200	—	26	Good, .	Procure ten certificates; designate closets.	Complied.
MILLBURY.								
Lapham Mill, . . .	Cloaking, . . .	5	88	—	7	Good, .	Provide additional closet; procure three certificates.	Complied.
Crane Waters Co., . . .	Hosiery, . . .	53	67	—	11	Good, .	Procure two certificates; provide extra closet.	Complied.
John Rhoades Warp Co., . . .	Warps, . . .	30	27	—	6	Good, .	None, .	—
Millbury Cotton Mill, . . .	Cloth, . . .	60	70	—	19	Good, .	None, .	—
ROCHDALE.								
E. G. Carlton & Son, . . .	Woollen goods, . . .	25	14	—	2	Good, .	Procure two certificates, . . .	Complied.
Rochdale Mill, . . .	Flannels, . . .	53	27	—	8	Good, .	Procure six certificates; repair and clean closets.	Complied.
GREENVILLE.								
J. D. Clarke & Co., . . .	Satinets, . . .	60	13	—	3	Good, .	None, .	—
M. G. Clarke, . . .	Satinets, . . .	11	3	—	—	Good, .	None, .	—

CHERRY VALLEY.

Collins Mill, . . .	Satinets, . . .	16	7	—	—	Good, . . .	None, . . .	—	Complied.
Chapel Mill, . . .	Satinets, . . .	23	15	—	—	Good, . . .	Provide separate closet for women, . . .	—	Complied.
Olney's Mill, . . .	Flannels, . . .	48	41	—	—	Good, . . .	Procure five certificates, . . .	—	Complied.

HAVERHILL.

Alice Barrows, . . .	Shoe stitching, . . .	—	25	—	—	Good, . . .	None, . . .	—	—
Ira O. Sawyer, . . .	Boots and shoes, . . .	30	1	—	—	Good, . . .	None, . . .	—	—
Edward A. Fitts Co., . . .	Boots and shoes, . . .	30	1	—	—	Good, . . .	Post time-table; procure certificate, . . .	—	Complied.
Jennie P. Sanborn, . . .	Stitching shoes, . . .	—	25	—	—	Good, . . .	Post time notice, . . .	—	Complied.
Stevens Mill, . . .	Dress goods, . . .	135	70	—	—	Good, . . .	Laws complied with, . . .	—	—
Miller & Foster, . . .	Boots and shoes, . . .	40	35	—	—	Good, . . .	None, . . .	—	—
F. E. Hutchinson, . . .	Slippers, . . .	144	6	—	—	Good, . . .	None, . . .	—	—
H. M. Vine, . . .	Slippers, . . .	10	2	—	—	Good, . . .	Post time notice; provide separate closet, . . .	—	Complied.
A. D. Creaupeau, . . .	Boots and shoes, . . .	3	27	—	—	Good, . . .	None, . . .	—	—
J. K. Nute, . . .	Slippers, . . .	2	12	—	—	Good, . . .	Post time notice, . . .	—	Complied.
Jennie A. Foster, . . .	Stitching, . . .	1	29	—	—	Good, . . .	None, . . .	—	—
Morrill & LaBlanche, . . .	Shoes, . . .	20	2	—	—	Good, . . .	Post time notice, . . .	—	—
Wm. E. Chase, . . .	Boots, . . .	38	22	—	—	Good, . . .	None, . . .	—	—
Walter C. Lewis, . . .	Boots, . . .	37	37	—	—	Good, . . .	None, . . .	—	—
Celina Chataineaux, . . .	Stitching, . . .	—	25	—	—	Good, . . .	None, . . .	—	—
D. O. Clarke, . . .	Tacks and nails, . . .	12	2	—	—	Good, . . .	Procure certificate, . . .	—	Complied.
C. H. Hayes, . . .	Wood and paper boxes, . . .	35	55	—	—	Good, . . .	Procure three certificates; post notice of hours of labor, . . .	—	—
J. H. Winchell, . . .	Boots and shoes, . . .	400	250	—	—	Good, . . .	Post time-table; procure four certificates, . . .	—	Complied.

WORCESTER.

Worcester Corset Co., . . .	Corsets, . . .	35	165	—	—	Good, . . .	Procure certificates, . . .	—	—
Glaseo Thread Co., . . .	Thread, . . .	69	15	—	—	Good, . . .	None, . . .	—	—

SPECIAL DUTY, MARY E. HALLEY, *Inspector* — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
WORCESTER — Continued.							
J. Winslow Skate Co., . . .	Skates, . . .	30	—	—	3	Good, . Post time notices; procure three certificates.	Complied.
J. E. Wesson, . . .	Shoes, . . .	100	75	—	2	Good, . Post time notice, . . .	Complied.
Ruddy Thread Co., . . .	Thread, . . .	4	56	—	—	Good, . None, . . .	—
A. G. Hildreth, . . .	Overalls, . . .	3	45	—	—	Good, . None, . . .	—
M. E. Shattuck, . . .	Cigars, . . .	22	7	—	—	— Provide better sanitary arrangements, and at a reasonable distance.	—
Williams & Whitamore, . . .	Paper boxes, . . .	7	13	—	1	— Procure certificate, . . .	—
Eureka Manuf'g Co., . . .	Gaiters, . . .	3	12	1	1	Good, . Separate closet for women; post time notice; procure certificate.	*
Empire Steam Laundry, . . .	Laundry, . . .	3	7	—	—	Good, . Post time notice, . . .	—
J. W. Brigham, . . .	Shoes, . . .	70	30	—	2	Good, . Procure two certificates, . . .	—
Burns Underwear Factory, . . .	Underwear, . . .	10	390	—	—	Good, . None, . . .	—
Ware, Pratt & Co., . . .	Ready-made clothing, . . .	7	38	—	—	Good, . Post time notice; separate and designate closet for women.	Complied.
Ware, Pratt & Co., . . .	Custom clothing, . . .	4	35	—	—	Good, . Post time notice; designate closets, . . .	Complied.
Waverly School Factory, . . .	Shoes, . . .	32	18	—	—	Good, . None, . . .	—
Richard Healey, . . .	Clothing, . . .	2	15	—	—	Good, . Designate closet, . . .	Complied.
Paris Cloak Store, . . .	Clothing, . . .	2	7	—	—	Good, . Designate closet, . . .	Complied.
Daniel Cummings, . . .	Shoes, . . .	90	10	—	—	Good, . None, . . .	—

Goddard, Stone & Co.,	Shoes, . . .	390	60	-	14	Good, .	Procure six certificates; post time notices.	Complied.
Bay State Shoe Co.,	Shoes, . . .	112	73	-	4	Good, .	Procure two certificates; designate closet.	Complied.
T. K. Earle, . . .	Card clothing,	25	8	-	-	Good, .	None, . . .	-
Abraham Israel, . . .	Undergarments,	-	6	-	1	Fair, .	Clean closets, . . .	Complied.
Melenkoe Bros., . . .	Clothing, . . .	25	15	-	-	Fair, .	Clean work-room and closets, . .	Complied.
E. H. Stark & Co.,	Shoes, . . .	40	60	-	1	Good, .	Procure certificate, . . .	Complied.
Denholm & McKay,	Merentile, . . .	110	110	-	9	Good, .	Procure two certificates, . . .	-
Western Union Telegraph,	Telegraphy, . .	20	2	1	-	-	Procure certificate; provide closet, .	-
Edgeworth Mill, . . .	Yarn, . . .	135	65	-	27	Fair, .	Procure four certificates, . . .	-
Whitecomb & Miles,	Boots and shoes, .	73	27	-	-	Good, .	None, . . .	-
C. B. Cook Co, . . .	Laundry, . . .	9	25	-	-	Good, .	Designate closet, . . .	-
G. W. Ingalls, . . .	Organ reeds, . .	20	20	-	-	Good, .	Post notice of hours of labor, . . .	-
Terrule Manuf'g Co.,	Stove trimmings, .	17	3	-	1	Good, .	Post time-table, . . .	-
A. B. Bunell, . . .	Silver plating, .	15	1	-	1	Fair, .	Clean and designate closet; procure certificate; post time notice.	-
City Steam Laundry, . .	Laundry, . . .	4	10	-	1	Good, .	Designate closet; post time notice; procure certificate.	-
Hubble Supply Co.,	Rags, . . .	18	18	-	1	Poor, .	Clean work-room; clean and repair closet; post time-table; procure certificate.	-
Torry Razor Co., . . .	Razor strops,	10	36	-	-	Good, .	None, . . .	-
R. Torrey Razor Co.,	Razors, . . .	58	7	-	-	Good, .	None, . . .	-
H. M. Whitter Co.,	Narrow fabric,	3	42	-	6	Good, .	Procure four certificates; guard gears on fancy looms.	*
D. Lynch, . . .	Laundry, . . .	2	9	-	-	Good, .	Clean and designate closet; post time notice.	-
Bay State Laundry,	Laundry, . . .	2	6	-	-	Good, .	Post time notice, . . .	Complied.

* Recent order.

SPECIAL DUTY, MARY E. HALLEY, *Inspector* — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
WORCESTER — <i>Concluded.</i>								
C. Henry Whitcomb Co., .	Envelopes, .	50	150	—	2	Good, .	Procure two certificates, .	Complied.
Worcester Pants Manuf'g Co., .	Pants, .	30	30	—	—	Good, .	None, .	—
G. C. Whitney, .	Holiday goods, .	35	140	—	3	Good, .	Procure two certificates ; guard large wheel in printing-room ; designate closet.	Complied.
O. F. Rawson Co., .	Cigars, .	12	4	—	—	Good, .	Post time-table, .	—
Read & Prince, .	Bolts, .	62	20	—	1	Good, .	Post time notice ; procure certificate, .	—
R. T. Jorkelson, .	Fire-arms, .	17	—	—	1	Good, .	Post time notice, .	—
Worcester Woollen Mill, .	Dress goods, .	125	175	—	7	Good, .	Designate closet ; procure certificate.	Complied.
F. W. Woolworth, .	Mercantile, .	3	14	1	2	Good, .	Procure three certificates, .	Complied.
Worcester Carpet Mill, .	Carpets, .	136	173	3	44	Good, .	Procure three certificates, .	Complied.
Edgeworth Mill, .	Yarn, .	95	125	2	36	Fair, .	Procure six certificates, .	Complied.
M. J. Whittall, .	Carpets, .	193	75	2	32	Good, .	None, .	—
J. J. Warren & Co., .	Leather goods, .	47	17	—	2	Good, .	Procure two certificates, .	Complied.
W. E. Howe Co., .	Mercantile, .	4	5	—	—	Good, .	None, .	—
Millekin & Newton, .	Bookbinding, .	5	3	—	—	Fair, .	Provide separate closet for women, .	—*
McCullar & Son, .	Clothing, .	9	3	—	—	Fair, .	Provide better sanitary arrangements, .	—*
Wesby & Son, .	Bookbinding, .	1	3	—	1	Good, .	Procure one certificate ; post time notice.	Complied.
Graton & Knight, .	Shoes, .	117	8	—	5	Good, .	Post time notice, .	Complied.

FITCHBURG.

Parkhill Mill A, . . .	Ginghams, . . .	169	209	3	42	Good, . .	Designate closets, . .	Complied.
Parkhill Mill B, . . .	Ginghams, . . .	40	67	—	—	Good, . .	Designate closets, . .	Complied.
Parkhill Mill C, . . .	Ginghams, . . .	171	265	1	28	Good, . .	Procure five certificates, . .	Complied.
Grant Yarn Mill, . . .	Yarn, . . .	30	60	1	12	Good, . .	Procure nine certificates, . .	Complied.
Star Mill, . . .	Yarn, . . .	25	68	—	10	Good, . .	None, . .	—
Beoli Mill, . . .	Men's wear, . .	207	118	—	25	Good, . .	None, . .	—
Simonds Rolling Machine Co, . .	Mechanical appliances, . .	65	10	—	2	Good, . .	None, . .	—
A. B. Lawrence, . . .	Hardware, . . .	8	2	—	—	Good, . .	None, . .	—

ATHOL.

C. W. Lee, . . .	Boots and shoes, . .	29	45	—	1	Good, . .	Procure one certificate, . .	Complied.
C. W. Lee, . . .	Boots and shoes, . .	74	74	—	11	Good, . .	None, . .	—
W. Starr Lee, . . .	Boots and shoes, . .	126	135	—	6	Fair, . .	Procure certificate; clean closets, . .	Complied.
W. S. Lee, . . .	Paper boxes, . .	10	9	—	—	Good, . .	Procure two certificates, . .	Complied.
Athol Silk Mill, . . .	Silk, . . .	15	54	—	3	Good, . .	Procure one certificate, . .	Complied.

STOW.

Gleason Woollen Mill, . . .	Dress goods, . .	78	25	—	4	Good, . .	None, . .	—
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BALLARD VALE.

Craighead & Kintz, . . .	Lamps, bronzes, . .	118	22	1	4	Good, . .	Procure three certificates, . .	Complied.
Ballard Vale Mill, . . .	Flannels, . . .	100	85	—	7	Good, . .	None, . .	—

BILLERICA.

Talbot Mill, . . .	Dress goods, . .	201	99	2	26	Good, . .	Procure two certificates, . .	Complied.
Faulkner Mill, . . .	Dress goods, . .	56	38	—	7	Good, . .	Procure certificate, . .	Complied.

* Recent order.

SPECIAL DUTY, MARY E. HALLEY, *Inspector* — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
ANDOVER.								
Smith & Dove Mill, . . .	Twine, . . .	150	130	3	25	Good, . .	Verbal order to designate closet, .	Complied.
Sagebome & Byers Mill, . .	Dress goods, . .	24	6	—	1	Good, . .	None, . . .	—
Sutton's Mill, . . .	Flannels, . .	61	45	1	12	Fair, . .	None, . . .	—
LAWRENCE.								
Everett Mills, . . .	Ticking, . .	558	746	4	125	Good, . .	None, . . .	—
Duck Mill, . . .	Duck cloth, . .	115	110	—	11	Good, . .	None, . . .	—
Pemberton Mill, . . .	Dress goods, . .	323	430	—	43	Good, . .	None, . . .	—
Washington Mill, . . .	Dress goods, . .	1450	1450	—	142	Good, . .	Procure six certificates; designate closets, .	Complied.
Lower Pacific Mill, . . .	Dress goods, . .	102	905	1	43	Good, . .	Procure three certificates, . .	Complied.
A. W. Kimball, . . .	Shoes, . . .	20	60	—	—	Good, . .	None, . . .	—
Atlantic Mill, . . .	Cotton cloth, . .	375	812	1	66	Good, . .	None, . . .	—
Arlington Mills, . . .	Dress goods, . .	1169	1202	2	136	Good, . .	None, . . .	—
Pacific Mill, . . .	Dress goods, . .	2300	2119	—	—	—	—	—
Wright's Braid Mill, . . .	Braid, . . .	9	85	—	5	Good, . .	Procure two certificates, . .	Complied.
Brown & Ackroyd, . . .	Dress goods, . .	17	33	—	—	Good, . .	Keep closets clean, . . .	Complied.
Bacon Paper Mill, . . .	Paper, . . .	95	30	—	—	Good, . .	None, . . .	—
M. J. Cahill, . . .	Mercantile, . .	5	4	—	—	—	None, . . .	—
Prospect Mill, . . .	Yarn, . . .	64	130	1	31	Good, . .	Post time-table; clean, designate and repair closets.	Complied.
Russell Paper Mill, . . .	Paper, . . .	215	22	—	2	Good, . .	None, . . .	—

Merrimack Paper Co.,	Paper,	70	40	—	Good,	None,	—	—
Butler & Robinson,	Yarn,	152	117	20	Good,	None,	—	—
Boston Store,	Mercantile,	29	40	—	—	None,	—	—
Bargain Emporium,	Mercantile,	4	25	—	—	None,	—	—
Bicknell Bros.,	Clothing,	18	4	—	Good,	None,	—	—
W. G. Skinner,	Mercantile,	14	4	—	Good,	None,	—	—
Wm. Brown,	Bakery,	4	3	—	Good,	To prevent women working more than fifty-eight hours per week.	Complied.	—
GROVELAND.								
Groveland Mill,	Dress goods,	275	160	2	Good,	Procure twenty-one certificates,	Complied.	—
AMESBURY.								
Merrimac Hat Co.,	Hats,	140	70	—	Good,	Provide two additional closets; procure certificates.	Complied.	—
Hamilton Mill,	Cotton cloth,	197	475	—	Good,	None,	—	—
LOWELL.								
Pickering Knitting Co.,	Underwear,	46	232	—	Good,	None,	—	—
Pilling Shoe Factory,	Shoes,	153	79	—	Good,	None,	—	—
J. M. Stover,	Shoes,	125	55	—	Good,	Designate closets,	Complied.	—
G. W. Harris,	Loom harness,	10	5	—	—	None,	—	—
Merrill Laundry,	Laundry,	5	14	—	—	Clean closets,	Complied.	—
Middlesex Mills,	Woollen goods,	275	396	—	Good,	Procure six certificates,	Complied.	—
Criterion,	Mercantile,	7	3	—	Good,	None,	—	—
New York Store,	Mercantile,	5	3	—	Good,	None,	—	—
Abels and Son,	Mercantile,	4	25	—	Good,	None,	—	—
O'Donnell & Gilbride,	Mercantile,	33	27	—	Good,	None,	—	—
Beaver Knitting Co.,	Ladies' wear,	4	28	—	Good,	Post time notices,	Complied.	—
Fremont & Suffolk Mill,	Cotton cloth,	800	1300	—	Good,	None,	—	—
Massachusetts Mohair Plush Co.,	Plush,	37	40	—	Good,	None,	—	—
Howard Stocking Co.,	Hosiery,	13	60	—	Good,	None,	—	—

SPECIAL DUTY, MARY E. HALLEY, *Inspectress — Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.				14 to 16.
LOWELL — Continued.							
Lowell Carpet Mill, . . .	Carpets, . . .	980	1187	3	98	None, . . .	—
Hamilton Mill, . . .	Drilling, prints, . . .	2190	1223	—	85	Post time-table, . . .	Complied.
Thorndyke Mills, . . .	Suspenders, . . .	30	80	—	3	Additional closet; payments made weekly; procure one certificate.	Complied.
J. C. Ayer & Co., . . .	Pills, etc., . . .	129	83	—	—	None, . . .	—
Whittier Cotton Mill, . . .	Cordage, . . .	16	59	—	—	Prevent women working more than fifty-eight hours per week.	Complied.
Prescott Mills, . . .	Cotton cloth, . . .	159	373	—	23	None, . . .	—
Massachusetts Mill, . . .	Cotton cloth, . . .	423	853	—	36	Designate and repair closets, . . .	Complied.
Lowell Hosiery Co., . . .	Hosiery, . . .	86	131	—	15	Procure four certificates; provide additional closet; designate closets.	Complied.
Shaw Knitting Co., . . .	Hosiery, . . .	160	140	—	7	None, . . .	—
Appleton Mill, . . .	Cotton print, . . .	432	648	—	50	Provide better sanitary arrangements.	Complied.
Peerey Cotton Mill, . . .	Twine, . . .	80	60	—	8	None, . . .	—
Standard Worsted Co., . . .	Yarn, . . .	7	118	—	5	Provide better sanitary arrangements; procure two certificates; guard gearing on spinning and twisting frames.	— *
Belvidere Woollen Mill, . . .	Flannels, . . .	71	29	—	8	Designate closets, . . .	Complied.

Bon Marche, Lamson & Co., New England Bunting Co.,	Dry goods, Crockery, Bunting,	125 2 47	75 8 31	- - -	- 1 -	Good, Good, Good,	None, Procure one certificate, Post time-notices; designate closets;	- Complied. Complied.
Faulkner Mill, United States Cord Co.,	Dress goods, Cord,	265 24	135 11	- -	15 2	- Fair,	guard large belt. Post time notices, Prevent women working nights; clean closets.	Complied. Complied.
Ladnec Mills, W. S. Bunting Co.,	Print cloth, Bunting,	51 275	9 375	- -	- 41	Good, Good,	Post time notices, Keep list of minors; procure two certificates; unlock rear door; designate closets.	Complied. Complied.
A. G. Pollard & Co., Chas. Littlefield, Bon Marche,	Mercantile, Paper boxes, Mercantile,	34 7 50	42 38 75	- - -	3 - -	Good, Good, Fair,	Procure two certificates, None, Provide better ventilation in closets and designate.	Complied. - Complied.
U. S. Cartridge Co., American Bolt Co., Sterling Mill,	Cartridges, Bolts, nuts, Dress goods,	135 150 100	189 2 65	- - -	33 11 11	Good, Good, Good,	None, Post time notice; guard nut press, Additional closet; post time notice; procure two certificates.	- Complied. Complied.
Belvidere Woollen Mill, No. 2, Scriptures' Laundry,	Dress goods, Laundry,	65 7	45 31	- -	9 1	Good, Good,	Additional closet; designate closets, Guard two large belts; procure certificate.	Complied. Complied.
Novelty Plaster Works, Hood's Laboratory,	Plasters, Sarsaparilla,	20 100	8 150	- -	1 4	- Good,	Procure certificate; post time notice, Provide two additional closets; post time notices; procure four certifi- cates; designate closets.	Complied. Complied.
E. W. Hoitt & Co., C. F. Hatch & Co.,	Perfumery, Boxes,	5 15	13 60	- -	- 1	Good, Good,	None, Designate closets; procure certifi- cate; post time notice.	- Complied.

* Mill burned since order was given.

SPECIAL DUTY, MARY E. HALLEY, *Inspectress — Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Females.		Under 14.	14 to 16.			
		Males.						
LOWELL — <i>Concluded.</i>								
Walsh Worsted Mill, . . .	Yarn, . . .	20	110	—	24	Good, .	Guard set-screws, . . .	Complied.
Parks Worsted Mill, . . .	Yarn, . . .	3	17	—	2	Good, .	None, . . .	—
Lowell Bleachery, . . .	Bleaching, . . .	205	15	—	7	Good, .	Post time notice, . . .	Complied.
Prospect Mill, . . .	Yarn, . . .	64	130	—	30	Good, .	Clean and repair closets; post time notices.	Complied.
Walter Colburn, . . .	Cotton waste, . . .	5	10	—	—	Good, .	None, . . .	—
Wm. H. Carty, . . .	Dress goods, . . .	24	12	—	—	Fair, .	Guard gears on cards; post time notice; provide better sanitary arrangements.	Complied.

REPORT OF INSPECTRESS FANNY B. AMES.

I have the honor to submit the following report for the year just closing : —

A large portion of my duty has been in the city of Boston, but during the summer and autumn I have, at your orders, been occupied with inspection work in the city and county of Worcester. During a portion of this time Miss Halley has been associated with me.

Of the 109 inspections made in Boston, 58 orders were issued for violations of the labor laws, ranging all the way from non-posting of time-tables to the use of rooms wholly unsuitable for occupation as workshops. Violations of the prescribed hours of labor are rare in the larger mills or factories, though doubtless in many trades, depending upon seasons for their activity, such as straw-braiding, fur-sewing, dressmaking, and millinery, there may at certain times in the year be working over hours. Flagrant cases are pretty sure to be reported to the inspection department, and everywhere there is a growing feeling of the entire reasonableness of the law as it affects the community at large, though individual instances of hardship occur in complying with its provisions. During the latter part of the summer and autumn many mills have closed entirely, and others are now running but three days of eight hours each, and with a third of the usual complement of employees. On account of this depression of business it has not been possible to require compliance with all orders given, and in some cases, where a large expenditure was involved, I have thought it wise to refrain from issuing orders until business was resumed.

The school law, as will be seen from the summary appended, is violated more frequently than other labor laws ; this is seldom, however, in employing children under thirteen years of age, but relates almost entirely to the employment of children over fourteen whose parents have neglected to procure the proper schooling or age certificates. My method of investigation is to go through every room and part of a factory or shop, requiring each child to write his name and age. Then, with this self-registered list, I compare the certificates on file. My visits are made at unexpected times, and a sharp outlook is kept for the possibilities of children being overlooked. If any child is found without a certificate, the employer is immediately notified verbally of the fact, and, later, by the usual legal form issued from the inspection department. Should the child, from its small size or puny appearance, appear under fourteen, immediate compliance is required and the child

sent out until a certificate is obtained. If it plainly appears to be fourteen or over, a few days are allowed, that the work may be not unnecessarily interfered with. But one objection has ever been made to this method, and in that case the employer desired me to accept his word and the fact that he had a quantity of certificates on file as proof that he had complied with the law. When, after an inspection of the shops, I returned with the names of eleven boys under sixteen, a comparison of these with the certificates brought out the fact that most of the certificates belonged to boys who had grown beyond the legal age, or who had left his employment, being no longer on the pay roll, while of the eleven actually in his employment seven had no certificates.

The violations of the law requiring clean and healthful workshops and factories occur chiefly in crowded cities, where old buildings, not originally designed for such uses, are occupied by hundreds of minor industries. These are fast being replaced by better buildings, and as time goes on the conditions of such workers will be much improved. Meantime, unless there is constant and watchful inspection, such work-rooms menace the health and even the morals of women employees.

Seats for women are found in most factories and stores, but it is easy for the best regulated establishments to fall into slack ways when the rush of business compels the subordinating of every other consideration. Constant watchfulness is required to insure compliance with the law. Many employers seem to think the statute inoperative if the women "have no time to sit," or that compliance is dependent on the women making complaint, or that the vicinity of a box or window ledge or other projecting shelf is sufficient provision. With your approbation, I have adopted the rule that in stores there must be two-thirds as many seats as saleswomen; and that in factories no box or arrangement likely to be used for other purposes, and so carried away from the worker, is to be considered a seat. I rarely have any complaint from women employees; but where I have ordered in seats, I have met with unmistakable signs of gratitude; and I am persuaded that no law on the statute book is more humane. In the cloth or burling rooms of several factories I have found women standing whose day begins at 7 A.M. and lasts till 6 P.M., with only the noon hour for rest, Saturdays only excepted. Several have told me of painful diseases contracted from this long-continued standing. Some employers who have not objected to furnishing seats were sceptical as to the practicability of their use. Yet in the next factory visited the same work would be done by women sitting; showing that only custom was to blame for the misery of the women

employed. In most shoe-shops, women who do the packing and the putting on of the polish stand at tables to do their work. That this is needless the Commonwealth Shoe Company, at Whitman, has shown by furnishing such women tall stools, which they can use at intervals. This change of position is more restful than constant sitting would be.

The following summary will give a comparative view of the inspections made and their results:—

Boston.— Number of inspections, 109; orders given, 58, as follows: To post time-tables, 14; to clean or repair closets, 3; to give women separate closets, 8; to put in new closets, 3; to designate closets, 4; to ventilate work-rooms, 4; to put in seats for women, 4; to procure age or school certificates for children, 17; to close underground work-room and give suitable quarters to women and children employed, 1.

Worcester.— Number of inspections, 61; orders given, 49, as follows: To post time-tables, 9; to clean and repair closet, 5; to put in new closet, 3; to give women separate closets, 4; to designate closet, 3; to clean and ventilate work-room, 2; to put in seats for women, 1; to procure age or school certificates, 21; to guard dangerous machinery, 1.

Worcester County.— Number of inspections, 55; orders given, 54, as follows: To post time-tables, none; to clean and repair closets, 11; to put in new closets, 6; to designate closets, 3; to put in seats for women, 3; to procure age or school certificates, 29; to guard dangerous machinery, 2.

Other Places.— Number of inspections, 8; orders given, 5, as follows: To give suitable access to women's closets, 1; to put in additional closet for women, 1; to procure age and school certificates, 3.

Total number of inspections, 231; total number of orders given, 166.

It would be a mistake to infer from the large numbers of orders given that there is a prevalent indifference on the part of employers to the comfort or welfare of the employed. On the contrary, with rare exceptions, a humane desire to furnish even better working conditions than the law exacts is as marked as is the courtesy with which the visits and criticisms of the inspectors are met. Several stores furnish good dining-rooms, provisions for warming meals, and rooms with a woman attendant for cases of sudden illness. Although the law requiring ventilation does not include mercantile establishments, many of them provide blowers or fans for changing the air.

The proprietors of several mills that are closed during the

present depression are furnishing coal to their work-people free and remit the rent of their corporation houses until business shall start up again.

It is commonly from carelessness that "suitable access to closets" and "separate closets" are not furnished. Women workers seldom complain, partly from delicacy and partly from natural timidity.

The visit of an inspector is something like the public eye and conscience coming in to reinforce the self-respect and private conscience of both employer and employed, and indirect influences for good flow from a conscientious enforcement of the labor laws, which, at first glance, seem not to touch more than the most superficial conditions of labor.

FANNY B AMES, *Inspector.*

SPECIAL DUTY,

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.			Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.			
BOSTON.							
R. F. Adams, . . .	Heels, . . .	5	9	—	Good, .	Provide seats for women, .	Complied.
Atlantic Novelty Co., . .	Paper boxes, . .	2	9	—	Good, .	Post hours of labor; no fire-escapes on building	Complied.
Atlantic Paper Box Co., .	Paper boxes, . .	2	10	—	Good, .	None, .	—
Avery Hat Store, . . .	Hats, . . .	8	3	1	Fair, .	Get one certificate, . .	Complied.
Wm. S. Butler & Co., . .	Mercantile, . . .	76	57	10	—*	None, .	—
Boston Covered Button Co.,	Buttons, . . .	160	280	—	—*	None, .	—
Henry M. Burr & Co., . .	Millinery, mercan- tile.	18	20	1	—*	None, .	—
Henry M. Burr & Co., . .	Millinery, manuf'g.	—	25	—	—*	None, .	—
Robert Bishop, . . .	Cotton waste, . .	60	70	—	Good, .	None, .	—
Wm. H. Brine & Co., . .	Mercantile, . . .	8	26	1	—*	None, .	—
Bedford Manufacturing Co.,	Suspenders, . . .	2	15	—	Good, .	None, .	—
Jno. J. Baird, . . .	Paper boxes, . . .	3	14	—	Fair, .	None, .	—
Boston Paper Co., . . .	Paper boxes, . . .	6	35	—	Good, .	None, .	—
Back Bay Custom Laundry,	Laundry, . . .	12	48	—	Good, .	None, .	—
Bay State Shirt and Overall Manu- facturing Co.	Shirts and overalls, .	3	13	—	Good, .	None, .	—
Broderson & Day, . . .	Ladies' hats, . . .	15	100	—	Good, .	None, .	—
Walter S. Barnes, . . .	Paper boxes, . . .	16	70	1	—*	None, .	—

* Excellent.

SPECIAL DUTY, FANNY B. AMES, *Inspector* — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
BOSTON — Continued.								
J. G. Cupples,	Bookseller,	2	3	1	-	Bad .	Give women employees closet ; clean and ventilate.	Complied.
Chase & Co.,	Candy,	55	125	-	6	Good, .	None,	-
D. Conrad & Sons,	Mercantile,	10	24	-	-	Bad, .	Clean closets and upper hall, . .	Complied.
D. Conrad & Sons,	Dressmaking, etc.,	1	13	-	-	Fair, .	Post hours of labor,	Complied.
Cleveland, Brown & Co.,	Neckties,	5	80	-	1	Fair, .	Procure one certificate ; ventilate workroom.	Complied.
C. M. Carter,	Cloaks and dresses,	-	4	-	-	Good, .	None,	-
C. M. Carter,	Mercantile,	3	23	-	-	Good, .	None,	-
W. B. Crocker,	Mercantile,	4	36	-	-	Good, .	None,	-
W. B. Crocker,	Millinery,	3	25	-	-	Good, .	None,	-
H. Crine,	Furs, mercantile,	3	5	-	1	- *	None,	-
H. Crine,	Furs, manuf'g,	4	12	-	-	- *	None,	-
A. G. Cheever,	Paper boxes,	8	22	-	-	Good, .	None,	-
M. W. Carr & Co.,	Jewelry,	72	38	1	-	- *	None,	-
E. W. M. Colby,	Buttonholes, etc.,	1	3	-	-	Bad, .	Clean cellar and closet,	Complied.
Ceiley & Wright,	Mercantile,	5	13	-	1	- *	None,	-
Callahan, Day & Co.,	Ladies' suits,	50	50	-	-	Good, .	None,	-
W. B. Davis,	Paper boxes,	4	8	-	-	Good, .	Get one certificate,	Complied.
Geo. H. Dickerman,	Paper boxes,	42	200	-	2	Good, .	None,	-
Elliot Paper Box Co.,	Paper boxes,	7	15	-	-	Good, .	None,	-
A. Fox & Co.,	Cloth hats and caps,	15	15	-	-	Good, .	None,	-

B. Fuller,	Shoe linings,	3	15	2	—	Good,	Get two certificates,	Complied.
A. H. Flick,	Paper boxes,	3	12	—	1	Good,	Get one certificate,	Complied.
Geo. Frost Co.,	Ladies' waists,	25	150	—	—	—	None,	—
Isaac Gerstein,	Ladies' underwear,	2	16	—	—	Good,	Designate closet; post hours of labor.	Complied.
J. R. Grose,	Paper boxes,	4	11	—	—	—	None,	—
C. A. Gilchrist,	Jewelry,	35	30	—	2	Good,	Procure two certificates,	Complied.
Glover & Joslin,	Forms,	5	4	—	—	Bad,	Repair closet; post hours of labor,	—
C. S. Geyer & Co.,	Hats,	31	19	—	—	Good,	None,	—
Hollander, Bradshaw & Folsom,	Mercantile,	6	47	3	—	Good,	Post time-table,	Complied.
Howard Watch and Clock Co.,	Watches and clocks,	81	44	—	—	—	None,	—
Jno. P. Horner	Corsets, etc.,	1	14	—	—	Good,	Post hours of labor,	Complied.
Houghton & Dutton,	Drugs department,	—	12	—	—	Good,	Put in seats for women,	Complied.
F. E. Hunt,	Paper boxes,	1	6	—	—	Bad,	Repair closet,	Complied.
Hoop Collar Co.,	Paper boxes,	3	7	—	—	Fair,	None,	—
F. F. Hodges & Co.,	Straw hats and bonnets,	75	100	—	1	—	Get one certificate,	Complied.
Hawley, Smart & Ronimus,	Neckties,	5	40	—	—	—	None,	—
Imperial Glove Store,	Mercantile,	1	4	—	1	Good,	Get one certificate,	Complied.
A. Jacobs,	Tailoring,	4	15	—	—	Good,	None,	—
Jordan & Christie,	Brushes,	18	36	—	—	Good,	Designate closet,	Complied.
Jordan & Marsh,	Millinery department,	2	33	—	16	—	Furnish seats for women,	Complied.
Lamson & Hubbard,	Hats,	34	37	—	—	—	None,	—
G. H. Lougee & Co.,	Mercantile,	4	5	—	1	—	Put in seats for women,	Complied.
Lyman, Gibbs & Co.,	Mercantile,	12	7	—	4	Good,	Furnish four certificates,	—
Lyman, Gibbs & Co.,	Dressmaking,	—	4	—	—	Good,	Post hours of labor,	—
D. S. McDonald & Co.,	Restaurant,	5	25	—	1	—	Procure certificate,	Complied.

* Excellent.

SPECIAL DUTY, FANNY B. AMES, *Inspector* — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.		Females.				
		Under 14.		14 to 16.				
BOSTON — <i>Concluded.</i>								
D. S. McDonald & Co.,	Candy, . . .	6	5	—	1	— *	Post hours of labor, . . .	Complied.
Massachusetts Boot & Shoe Co.,	Mercantile, . . .	3	9	—	—	Good, . . .	None, . . .	—
Middlesex Manufacturing Co.,	Overalls and shirts, . . .	6	20	—	2	Good, . . .	Designate closets: post time-table, . . .	Complied.
T. A. McDonnell, . . .	Gloves, . . .	—	4	—	—	Good, . . .	None, . . .	—
Morse Bros., . . .	Paper boxes, . . .	4	30	—	1	Good, . . .	Procure one certificate, . . .	Complied.
Mariners & Co., . . .	Hats, . . .	27	10	—	—	— *	None, . . .	—
New England Piano Co.,	Pianos, . . .	297	53	2	—	— *	Procure two certificates, . . .	Complied.
New England Buff Co.,	Buffers, . . .	2	8	—	2	Good, . . .	Post time-table; procure two certificates.	Complied.
J. W. Norcross, . . .	Bustles, etc., . . .	1	2	—	—	Good, . . .	Give women separate closet, . . .	Complied.
Henry C. Noble, . . .	Ladies' wrappers, . . .	— †	— †	— †	— †	— †	None, . . .	—
J. D. O'Brien, . . .	Dress-stays, . . .	5	15	—	—	Good, . . .	Give women separate closets, . . .	Complied
S. F. Owen, . . .	Ladies' underwear, . . .	2	35	—	1	— *	None, . . .	—
C. H. Phillips, . . .	Gloves, . . .	2	4	—	—	Good, . . .	None, . . .	—
Perfect Waist Co.,	Ladies' waists, . . .	3	30	—	—	Good, . . .	Post time-table; give women separate closet.	Complied.
Pierce & Gardiner,	Lamp shades, . . .	6	20	—	—	— *	Post hours of labor, . . .	Complied
Packard & Burrill, . . .	Brushes, . . .	3	9	—	—	Fair, . . .	Give women separate closet, . . .	Complied.
Potter, Wrightington & Co.,	Fish canning, . . .	35	40	—	—	Good, . . .	None, . . .	—
Geo. A. Plummer, . . .	Mercantile, . . .	4	43	—	—	Good, . . .	Give saleswomen separate closet, . . .	Complied.
Geo. A. Plummer, . . .	Manufacturing, . . .	—	25	—	—	Good, . . .	None, . . .	—
Pierce & Sons, . . .	Boots and shoes, . . .	75	50	1	3	Good, . . .	Procure three certificates, . . .	Complied.
Raymond Syndicate, . . .	Mercantile, . . .	10	50	24	6	Good, . . .	None, . . .	—

SPECIAL DUTY, FANNY B. AMES, *Inspector* — *Continued.*

NAME OF FACTORY OF WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Males.	Females.	Under 14.	14 to 16.			
BLACKSTONE.								
Blackstone Manufacturing Co.,	Sheetings, .	234	236	—	37	Good, .	Designate and clean closet and change location of women's closet.	Complied.
BOYLSTON.								
West Boylston Manuf'g Co.,	Cotton goods, .	166	129	22	—	Good, .	Procure six certificates; dismiss children under thirteen, designate and clean closet.	Complied.
Clarendon Mills, .	Counterpanes, .	95	67	18	1	Good, .	Put in five closets for women; get eight certificates; protect gearing, Provide accessible closets for women, Clean closets,	Complied.
S. R. Warfield, .	Cotton spinning, .	8	4	1	—	Good, .		—
Harris & Whiting, .	Cottons,	47	34	5	1	Bad, .		—
DUDLEY.								
Jno. Chase & Co., .	W o l s a n d worsteds,	268	142	—	22	Good, .	Keep lists of children,	Complied.
Dudley Woollen Mill, .	Woolens,	92	42	—	1	Good, .	None,	—
Perry Yarn Mill, . .	Merino yarn, . .	19	6	—	1	Good, .	None,	—
Stevens' Linen Mill, .	Crash,	226	276	4	71	—*	None,	—
DOUGLAS.								
W. E. Heywood & Co.,	Cassimeres, . .	54	37	—	3	Good, .	Procure three certificates, . .	Complied.

SPECIAL DUTY, FANNY B. AMES, *Inspector* — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliance.
		Males.	Females.	Under 14.	14 to 16.			
MILLBURY — <i>Concluded.</i>								
Lapham's Woollen Mill, . . .	Woollens, . . .	102	88	—	7	Good, .	Put in and give suitable access to closet for women; to get three certificates. None, . . .	—
Jno. Rhoades Warp Co., . . .	Satinet warps, . . .	30	27	—	6	Good, .		—
NORTHBOROUGH.								
E. W. Chapin & Co., . . .	Woollens, . . .	133	52	—	3	Fair, .	Clean closets; get three certificates, None, . . .	—
W. M. Farwell, . . .	Horn jewelry, . . .	14	6	—	—	Good, .		—
Charles Johnson, . . .	Heelings, . . .	1	10	—	—	Fair, .	Clean closets, . . .	—
Proctor's Shop, . . .	Horn buttons, . . .	5	4	—	—	Fair, .	Clean closets, . . .	—
E. F. Wood, . . .	Satinets, . . .	95	30	—	1	—*	None, . . .	—
NORTHBRIDGE.								
Linwood Mill, . . .	Sheetings, etc., . . .	203	125	1	10	Good, .	Get seven certificates, . . .	Complied.
Paul Whitin's Manuf'g Co., . . .	Cotton cloths, . . .	380	141	3	24	Good, .	Get twelve certificates, . . .	Complied.
Whitin's Cotton Mill, . . .	Sheetings, . . .	62	105	1	18	Good, .	None, . . .	—
OXFORD.								
Comin's Mill, . . .	Cotton warps, . . .	28	11	—	1	Good, .	None, . . .	—
Howarth's Mill, . . .	Flannels, . . .	33	22	—	7	—*	Procure five certificates, . . .	Complied.
A. L. Joslins & Co., . . .	Boots and shoes, . . .	95	25	—	4	—*	Procure four certificates, . . .	Complied.
Rockdale Mill, . . .	Satinets, . . .	10	6	1	3	Fair, .	Procure four certificates . . .	Complied.

Sigourney Mill, . . .	Cotton yarns, . . .	33	12	—	2	Fair, . . .	Clean closet, . . .	—
Taft's Mill, . . .	Woollens, . . .	13	7	—	1	Poor, . . .	Get one certificate, . . .	Complied.
Texas Woolen Mill, . . .	Satinets, . . .	80	50	1	10	Fair, . . .	None, . . .	—
SOUTHBRIDGE.								
American Optical Co., . . .	Spectacles and eye-glasses. Lenses, . . .	704	100	—	21	—*	Get two certificates; ventilate closet, . . .	Complied.
American Optical Co.'s Lens Factory, . . .	Lenses, . . .	—†	—†	—	5†	—*	Get three certificates, . . .	Complied.
Central Mills Co., . . .	Cotton cloths, . . .	70	97	—	40	—*	None, . . .	—
Hamilton Mill Co., "Old Mill," . . .	Woolen cloths, . . .	425	550	—	30	Fair, . . .	None, . . .	—
STURBRIDGE.								
Fiskdale Mill, No. 1, . . .	Cotton cloth, . . .	75	53	2	15	Bad, . . .	Put in new closets; guard broken wheels on looms. . . .	—
Fiskdale Mill, No. 2, . . .	Cotton cloths, . . .	91	70	—	14	Poor, . . .	Tear out old closet; guard gears on looms. . . .	—
SUTTON.								
Manchaug Mill, No. 1, . . .	Cottons, . . .	56	59	8	16	Poor, . . .	Guard elevator; clean closet, . . .	Complied.
Manchaug Mill, No. 2, . . .	Cottons, . . .	50	45	—	30	Good, . . .	None, . . .	—
Manchaug Mill, No. 3, . . .	Cottons, . . .	61	68	—	42	Good, . . .	Procure eight certificates, . . .	Complied.
Sutton Manufacturing Co., . . .	Prints, . . .	50	100	—	15	Good, . . .	None, . . .	—
UXBRIDGE.								
Calumet Mill, . . .	Cassimeres, . . .	135	45	—	2	Good, . . .	Get two certificates, . . .	Complied.
Capron Mill, . . .	Satinets, . . .	77	43	—	2	Good, . . .	None, . . .	—
Hecla Mill, . . .	Woollens, . . .	135	43	3	11	Good, . . .	Get eight certificates, . . .	Complied.
Samuel F. Scott, . . .	Satinets, . . .	28	24	1	—	Good, . . .	Procure one certificate, . . .	Complied.
Uxbridge Cotton Mill, . . .	Shirtings, . . .	70	80	—	7	Good, . . .	Get seven certificates, . . .	Complied.
Wacautuck Mill, . . .	Cassimeres, . . .	85	53	—	2	Good, . . .	None, . . .	—

* Excellent.

† Number included in above.

SPECIAL DUTY, FANNY B. AMES, *Inspector* — *Continued.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Under 14.		14 to 16.	Females.			
		Males.	Females.					
WEBSTER.								
A. J. Bates & Co.,	Boots and shoes,	100	75	21	Good,	Procure three certificates,	Complied.	-
Green Mills,	Dyeing and bleaching,	140	25	8	Fair,	Clean closet; provide seats in packing-room.		
Slater Woollen Mills,	Woollens,	606	303	26	*	Put additional closet in burling-room; provide seats for women in same room.		
H. M. Slater Cotton Mill,	Cottons,	243	176	42	Bad,	Put in new closets in weave-room at East Webster; discharge boy of ten; procure six certificates.	-	-
WORCESTER.								
Bickford & Bliss,	Slipper soles,	8	12	-	*	None,	-	-
George S. Battello,	Boots and shoes,	2	2	-	*	None,	-	-
A. B. Burnell,	Gold, silver plating,	15	2	1	Poor,	Procure one certificate,	-	-
Bay State Laundry,	Laundry,	1	6	-	Good,	Post time-tables,	-	-
T. L. Chase,	Paper stock,	10	10	1	Poor,	(Get one certificate; post time-tables; designate closet; clean rooms	-	-
City Steam Laundry,	Laundry,	3	10	1	*	Get one certificate,	-	-
Jno. Cousin,	Paper stock,	3	4	1	Good,	Post time-tables,	-	-
C. B. Cook,	Laundry,	9	23	-	*	None,	-	-
Crompton Loom Works,	Looms,	554	6	12	*	Procure five certificates,	-	-
E. N. Dean,	Heels,	9	154	5	*	None,	-	-

Denholm, McKay & Co.,	Mercantile, .	100	100	1	8	-*	Ventilate millinery-room; procure one certificate.	-
Edgeworth Mills,	Woollen spinning,	135	65	2	27	Poor, .	Order to put in new closets reserved; procure four certificates.	-
T. K. Earle & Co.,	Card clothing,	25	8	-	-	-*	None,	-
Jno. F. Fowkes, .	Saddlery, .	3	4	-	-	Poor, .	Repair closet,	-
Five and Ten Cent Store,	Mercantile, .	3	14	1	3	Good, .	Designate closets; procure four certificates.	Complied.
J. P. Grovenor, .	Slippers,	10	10	-	-	-*	None,	-
Glasgo Thread Co.,	Thread,	15	69	-	-	-*	None,	-
Hubley Supply Co.,	Rags,	18	18	-	-	Bad, .	Clean shop and repair closet; post hours of labor.	-†
Wm. Hyland,	Mattresses,	21	9	-	2	Bad, .	Reconstruct women's closet; procure two certificates.	Complied.
Hutchins Narrow Fabric Co.,	Tapes,	5	58	-	-	-*	None,	-
Hamblin & Russell,	Hardware specialties.	50	50	-	7	Good, .	Post time-tables; procure seven certificates.	Complied.
W. H. Hill Envelope Co.,	Envelopes,	30	95	-	4	-*	Procure two certificates,	Complied.
Heywood Boot and Shoe Co.,	Boots and shoes,	139	66	-	2	-*	Procure two certificates,	Complied.
W. E. Howe Co.,	Mercantile,	4	5	-	-	-*	None,	-
Hammond Reed Co.,	Organ reeds,	45	14	1	-	-*	Procure one certificate,	-
G. W. Ingalls,	Organ reed boards,	20	20	-	-	-*	None,	-
Abram Israel,	Ladies' underwear,	1	5	-	1	Poor, .	Procure one certificate; clean women's closet.	-
Logan, Swift & Brigham,	Envelopes,	42	121	-	-	-*	None,	-
D. Lynch,	Laundry,	2	9	-	-	Good, .	Post time-tables; designate closet,	-
Myrick, Shephard Co.,	Pasted heelings,	3	30	-	-	Good, .	None,	-
Mason Brush Works,	Brushes,	5	20	-	-	-*	Reconstruct closet,	-
Melknoe Bros.,	Tailoring,	25	15	-	1	Poor, .	Procure one certificate; clean work-room.	-

* Excellent.

† Reported to Board of Health.

SPECIAL DUTY, FANNY B. AMES, *Inspector — Concluded.*

NAME OF FACTORY OR WORKSHOP.	Goods Manufactured.	NUMBER EMPLOYED.				Sanitary Condition.	Orders Given.	Compliances.
		Under 14.			14 to 16.			
		Males.	Females.					
WORCESTER — <i>Concluded.</i>								
Marden & Drury, . . .	Heels, . . .	2	12	—	Good, . .	None, . . .	. . .	—
Milliken & Newton, . . .	Bindery, . . .	5	3	—	Bad, . . .	Give separate closets to women; clean closets.	. . .	—
Macullar & Sons, . . .	Tailoring, . . .	9	3	—	Bad, . . .	Give separate closets to women; clean closets.	. . .	—
National Manufacturing Co.,	Wire goods, . . .	24	74	—	*	None, . . .	. . .	—
Rawson & Simpson, . . .	Cigars, . . .	16	4	—	Good, . .	Post time-table, . .	. . .	—
Reed & Prince, . . .	Boots and shoes, . .	62	20	—	Good, . .	Post time-table, . .	. . .	—
Ruddy Thread Works, . .	Thread, . . .	14	30	—	—*	None, . . .	. . .	—
E. H. Stark & Co, . . .	Boots and shoes, . .	60	40	—	Good, . .	Procure one certificate, . .	. . .	—
M. E. Shattuck, . . .	Cigars, . . .	22	7	—	Poor, . .	Give separate closet of suitable ac- cess to women.	. . .	—
J. R. Torrey & Co., . . .	Razor-strops, . . .	20	36	—	—*	None, . . .	. . .	—
J. R. Torrey Razor Co., . .	Razors, . . .	65	8	—	—*	None, . . .	. . .	—
R. T. Torkelson, . . .	Fire-arms, . . .	17	—	—	Good, . .	None, . . .	. . .	—
Washburn & Moen, . . .	Wire ropes, etc., . .	2800	42	—	Good, . .	Clean closet; procure one certifi- cate; post time-table.	. . .	Complied.
J. J. Warren, . . .	Leather goods, . .	47	17	—	—*	Procure two certificates, . .	. . .	Complied.
Wesby & Sons, . . .	Bookbinding, . . .	5	4	—	Good, . .	Procure one certificate; give sepa- rate closet to women.	. . .	Complied.
Worcester Counter Co., . .	Shoe counters, . .	120	5	—	Good, . .	Post time-table, . .	. . .	Complied.
Walker & Brown, . . .	Boots and shoes, . .	75	25	—	—*	None, . . .	. . .	—

Whitcomb & Mills,	Boots and shoes, .	83	27	—	1	Good, .	None, .	. . . . .	—
Worcester Ferule Manuf'g Co.,	Ferules, .	20	3	—	1	Good, .	Get one certificate, .	. . . . .	—
Wachusett Mill, .	Fancy cottons, .	10	20	—	2	—*	Put in seats for women weavers, .	. . . . .	Complied.
Whitcomb Envelope Co.,	Envelopes, .	50	150	—	2	—*	Procure two certificates, .	. . . . .	Complied.
H. M. Witter, .	Tapes, .	7	38	—	6	—*	Procure four certificates; guard gears on looms.	. . . . .	—
Worcester Pants Manuf'g Co.,	Pantaloon, .	30	30	—	—	Good, .	None, .	. . . . .	—
Geo. C. Whitney, .	Valentines, .	35	140	—	2	—*	Procure two certificates, .	. . . . .	Complied.
Worcester Woolen Mill, .	Woollens, .	125	175	—	7	Good, .	Designate women's closet; procure two certificates.	. . . . .	Complied.
Worcester Corset Co., .	Corsets, .	35	165	—	14	—*	Procure four certificates, .	. . . . .	Complied.
J. A. Wesson, .	Shoes, .	100	75	—	1	—*	None, .	. . . . .	—
Samuel Winslow, .	Skates, .	95	—	—	4	Good, .	Procure four certificates, .	. . . . .	Complied.
"Worcester Spy" Office, .	Publishing, .	4	3	—	—	Good, .	None, .	. . . . .	—

* Excellent.

REPORTS OF ACCIDENTS IN MANUFACTURING AND MERCANTILE ESTABLISHMENTS.

As the provisions of chapter 260 of the Acts of 1886 require the Chief of the Massachusetts District Police to include in his annual report an abstract of the record kept by him of all reports received of accidents which occur in manufacturing establishments, I have prepared a statement containing in detail, as far as possible, such facts and figures as the records of these accidents will show for the current year. The act aforesaid provides that all accidents occurring in manufacturing establishments, and, by an amendment to said act, all such accidents occurring in mercantile establishments, shall be reported to the Chief of the District Police where the case has a fatal result, or where injuries sustained prevent the person so injured from returning to work for a period of four days after the accident occurred.

By chapter 111 of the Acts of the present year it is provided that the Chief of the District Police shall return to the sender of every notice of accident a written or printed acknowledgment of the receipt of the same. Accordingly, all such notices of accidents as have been received since the passage of this act have been acknowledged, as therein required.

Chapter 260 of the Acts of 1886, as amended by chapter 83 of the Acts of 1890, constitutes the law relating to this subject. Said chapter 260 reads as follows : —

[Chapter 260, Acts of 1886.]

AN ACT RELATIVE TO REPORTS OF ACCIDENTS IN FACTORIES AND MANUFACTURING ESTABLISHMENTS.

* SECTION 1. All manufacturers, manufacturing corporations and proprietors of mercantile establishments shall forthwith send to the chief of the Massachusetts district police a written notice of any accident to an employee while at work in any factory, manufacturing or mercantile establishment operated by them whenever the accident results in the death of said employee or causes bodily injury of such a nature as to prevent the person injured from returning to his work within four days after the occurrence of the accident.

SECT. 2. Any person or corporation violating any of the provisions of section one of this act shall be punished by a fine not exceeding twenty dollars.

SECT. 3. The chief of the Massachusetts district police shall keep a record of all accidents so reported to him, together with a statement of the name of the person injured, the city or town where the accident occurred, and the cause thereof, and shall include an abstract of said record in his annual report.

SECT. 4. This act shall take effect on the first day of July in the year eighteen hundred and eighty-six.

There were 774 cases of accident reported during the present year, by which 780 persons were injured. In each of 6 of the cases thus reported 2 persons were more or less injured from the same cause. In the year 1892, the number of persons reported as injured was 860, showing a reduction of 80 for this year.

There were 23 fatal cases, the number of like cases for the year 1892 being 36. Of these 23 there were 6 persons who were killed by being caught on and carried over shafting; 6 persons more were fatally injured by having been caught and crushed by ascending or descending elevator cars; 3 persons fell through elevator wells, and one person from each of the following causes: Caught under a mule spinning machine; received electric shock; caught in a centrifugal machine; by being drawn into a band-saw; struck by a board which had caught on and was thrown from a circular saw; by the explosion of naphtha; and by the breaking or bursting of an emery wheel. Further on will be found such particulars in these fatal cases as were found and reported by the inspectors who investigated the same.

From an examination of the list of causes leading to the accidents reported, it will be seen that 233 cases, or nearly 30 per cent. of the entire number, are not enumerated in the list. These accidents were due to causes which could not be contemplated as coming within the statute, as the persons injured from such causes were not at the time engaged in operating machinery, but were employed about the mill yard at some kind of labor, such as loading or unloading cars or trucks, or sustained injury from a source which no legislation could in any way reach to avert a recur-

rence. In illustration I will state that a large number of the accidents so reported were met by the persons getting splinters in their feet from the floors of factories, and the cause of injury in upwards of 40 cases was due to receiving falls, either on a slippery floor, in many cases made so by recent washing, or by falls from ladders, platforms, or some form of staging. This class of accidents, however, is recorded in like manner with all the others received, and the receipt of the same is duly acknowledged, in accordance with the recent enactment. Following is the list of causes, not including the fatal cases : —

Injured by machinery, mainly in cotton, woollen and paper mills, shoe factories and electrical works,	332
Injured by machinery in machine shops, iron works, planing mills and other mechanical establishments, . . .	104
Injured by elevators,	23
By falling down elevator well,	4
By being caught between elevator car and flooring (in most of the cases while riding on car),	19
Injured by flying shuttles and other attachments breaking loose from machinery,	14
Injured by belting, shafting and pulleys,	25
Injured by scalds and burns (principally from dye vats and molten iron),	18
Injured by the breaking of some part of machinery, . . .	5
Injured by the bursting of hydro-extractor, armature in dynamo and "cone duster" (one in each case), . . .	3
While cleaning machinery in motion, and removing waste, bobbins, etc., from running machinery (included in figures given above),	114
From causes not here enumerated,	233
Total (exclusive of fatal cases),	757

As seen by the foregoing figures, 114 persons received injuries while attempting to clean the machinery when in operation, or in trying to remove bobbins, waste or other articles from the machinery, where they had fallen or in some way had become entangled. This number constitutes more than 34 per cent. of the whole number (332) injured while operating machinery, as given in the list of causes. The greater portion by far thus injured were females, and the risk taken in a thoughtless moment explains without

further question the cause of accident in more than one-third of the cases occurring in factories.

There were 617 males and 163 females injured by the accidents reported. Of the number injured by machinery, 79 received injury by having their hands or fingers caught in gearing; and these latter cases were confined almost entirely to females. On the other hand, those cases in which the causes are not enumerated were those confined almost entirely to males.

The nature of injuries suffered will now be referred to, and, as in all previous reports, the present shows that the great majority consisted of cases where injury to the hand was sustained, and more especially to the thumb and fingers. There were 385 persons whose hands were more or less cut and bruised, and in three cases the right hand was lost, and in one case, which will be mentioned further on, both hands were lost. Of this number (385) 295 were cases of the thumb and fingers. In each of 17 cases the total loss of one or more fingers occurred, and in each of 61 cases there was a partial loss of the thumb or one or more fingers. The remaining cases were those where the injury sustained was of a slight nature.

In 58 cases persons were injured about the head, but with the exception of three cases, in each of which one eye was lost, and four or five cases where scalp wounds resulted, the injuries to the head were not serious. Among 47 cases of injury to the arm, there was one arm lost, and eight or nine cases where the arm was broken. The other cases were slight. In more than 60 cases persons were injured on the leg and ankle; 15 cases of sprained ankle occurred and 16 persons had each a leg broken. Eighty-five cases of injury to the foot occurred, but very few were serious. Eight persons received sprained wrists and seven more had wrists broken. Five had their collar bones broken. The remaining cases (about 60 in number), consisted of injuries upon various parts of the body, but in only five or six cases were such injuries considered to be serious.

The accident which resulted in the loss to the person of both his hands occurred in the following manner:—The man was at work putting glue into a machine known as a

“glue breaker,” used for breaking glue. From some cause he fell forward, and his hands were caught in the machine, both of which were so badly crushed that they had to be amputated.

Another accident, which caused the loss of the right hand and two fingers of the left hand, happened as follows: The man injured was engaged in running a machine used for trimming paper. He reached in between the clamp and the the knife to adjust the paper to be trimmed, when a steel bolt which held the shipper handle snapped off, causing the machine to start and throwing his right hand against the knife. The hand was completely severed at the wrist, and two fingers of the left hand, which came in contact with the knife, were also taken off.

There was one case in which the man had a remarkable escape from death. Some portion of his clothing was caught by the shafting, causing him to be drawn up and wound around it several times, then throwing him to the floor. He suffered a dislocated shoulder and received several cuts on his head. Otherwise there was no apparent injury.

In last year's report I alluded to the fact that accidents caused by shuttles breaking loose from the machinery had been prominent in these reports by reason of the frequency of their occurrence. I impressed upon the inspectors of this department the importance of giving to this matter, while looking after unguarded machinery, all the attention possible, and I am gratified to show in this report a decided decrease in the number injured by this means, as compared with the number so injured last year. Then the report showed 36 accidents of this kind. This year the number is 14. That this result is due, to a great extent, to the efforts of the inspectors in the performance of their duties, I feel assured to be the fact.

From the circumstances attending a number of the cases reported, investigation of the same was deemed necessary, and accordingly such particulars as were obtained in each of these cases by the inspectors who examined them are given here. Of course, the cases having a fatal result were all investigated in the same way, and the facts thereby gathered

were reported in writing by such inspectors. The name of the person who met with the accident, the city or town, and the establishment where it occurred are given in each case : —

MANUEL SILVIA, New Bedford. Howland Mills. Date of accident, January 16. This was a fatal accident. It was caused by the victim being drawn over shafting. Silvia, a Portuguese, was employed in the packer-room. He took a step-ladder and stood on it for the purpose of putting a belt on the main shafting. While standing on the ladder, he leaned his breast towards the shafting, and his overshirt getting caught, he was drawn up and whirled around the shafting several times before the speed could be stopped. A portion of his head and both his feet were torn off and he was almost instantly killed. The inspector reports that there was no set-screw where the man was caught, and that the accident was due to the fact that he had too much loose clothing on him. He was horribly mangled.

WILLIAM E. HUNT, Boston. Milo Whitney. Date of accident, January 24. The victim was building the fire under the boiler with celluloid shavings and sawdust. The fire-damp blew outwardly, causing him to be badly burned on his hands, arms and feet.

FRANK NORGREN, Boston. E. B. Badger & Son. Date of accident, January 31. This was a fatal accident, caused by an elevator. It appears that Norgren had ascended by the freight elevator to the fourth floor of the workshop to get a piece of work, which an expressman was waiting for in order to have it shipped. After obtaining it and placing it upon the elevator, it is supposed that he pulled the wire rope to descend. But it would seem from the finding of the body that the rope was pulled so as to cause the elevator to ascend, and when it had reached a distance of perhaps two feet from the landing at the floor he was standing upon he endeavored to jump upon the elevator, and in so doing was caught between the elevator gate and the elevator or landing of the fourth floor and crushed in such a manner as to cause almost instant death. Nearly half of the elevator had to be sawed off in order to extricate the body.

LUIGI LAMPIASO, Lawrence. Washington Mills. Date of accident, January 31. This was another fatal accident, and was caused by the victim being caught in a belt and wound around the shafting. The belt was a six-inch belt, driving a machine known as an "extractor." The belt had been thrown off the pulley, and

while Lampiaso was engaged in his work as an oiler his hand was caught between the belt and shaft. He called for assistance, and told the men who came to his aid to cut the belt, which one of them did, but, unfortunately, the belt thereupon wrapped around the shaft, taking Lampiaso with it, literally tearing him to pieces and killing him instantly.

HENRY VIANCOUR, Lowell. Booth Cotton Mills. Date of accident, February 1. This accident was fatal. Viancour was engaged in mending a belt which ran through the flooring from the room below. He went to the lower room to adjust the belt to the driving pulley, and stood on one of the looms for the purpose. The belt having been cut too short, when he sprang upon the pulley it parted and wound up on the shaft, catching his left arm and carrying him against the shaft with great force, and pulling his arm out of the shoulder. A surgeon and the ambulance were called immediately, but Viancour died before their arrival.

PETER CONNOLLY, South Boston. Standard Sugar Refinery. Date of accident, February 1. Peter Connolly, Edward Rayne and a third man were whitewashing the walls of a large room on the ground floor of this establishment. A large belt running horizontally and about eleven feet from the floor was in the way, and one of the men who had charge of all the belts went to the engine-room to have the engineer stop the engine for him to take off the belt. After the machinery stopped and before his return, the three men, who were standing on a long table, attempted without orders to slip the belt. They had reached up and were pulling down on it, when the engineer, at the request of an elevator man, started the engine without warning. All of the men were thrown to the brick flooring, and some of Connolly's ribs were broken, and he was injured internally, but whether from being drawn between the pulley and belt, as he thought, or by the fall, has not been determined. Rayne suffered a fracture of the spine and left scapula, and was carried to his home, and Connolly to the hospital. The third man was not injured.

THOMAS PETTROVICH, Worcester. The Worcester Woollen Mill Company. Date of accident, February 4. Petrovich was drawn up and wound around shafting. A belt which was not in use had been thrown off, but had not been hung upon a hook which was provided for the purpose. In consequence of this, the belt slipped along the shaft away from the machine, and Petrovich attempted to put the belt back in its place. The overseer told him not to

touch it until the speed could be shut down. But this was disregarded, and Petrovich, still working at the belt, got caught by it and was wound around the shafting. When taken down he was found to be badly mangled, with his left arm torn off between the wrist and elbow. He was removed to the hospital, where he died the next forenoon.

JAMES HANLON, Boston. C. Brigham Company. Date of accident, February 10. This accident resulted fatally. It was caused by an elevator. Hanlon was caught between the elevator and the ceiling in the milk house of the company, on Castle Street, Boston. No one can tell how the accident was brought about. He died from the effects of his injuries on the 16th of February.

JOSEPH MOSHER, Lawrence. Washington Mills Company. Date of accident, February 27. Mosher was walking over an electric-car turn-table, when, a plank having been taken up for the purpose of cleaning the pit, he fell through and had one leg broken.

ROBERT COLBERT, Boston. Eugene Lynch's establishment. Date of accident, March 1. This was a fatal accident, caused by an elevator. Mr. Colbert was employed at No. 24 India Street, and was on the third floor of the establishment, where the elevator car was, with a barrel upon it. He was trying to turn the barrel over so as to empty the contents. The elevator not being high enough, he pulled the rope so as to have the car ascend to the height desired. The elevator bar or guard coming down at the same time, Colbert was standing on the floor outside of the elevator, with his head inclined toward the elevator, and this bar or guard in descending caught his head between the guard and the ascending elevator, the one at the back of the neck and the other at his throat. He called out for help, and one of the men near the place rushed to his assistance, but too late to save him; for, upon his release, after being laid upon the floor, examination showed that he was dead. The report states that he had been cautioned several times in relation to the manner in which the elevator should be worked.

GEORGE MARSHALL, Boston. Pope Manufacturing Company. Date of accident, March 2. This was a fatal case. George Marshall was employed at the works as an engineer. It is presumed that his death was the result of an electric shock received while on, or stepping from, a freight elevator. It is not, however, known definitely that his death was due to the cause here stated, but it is the supposition.

GEORGE W. BRIGHT, Boston. C. Brigham Company. Date of accident, March 19. This accident was a fatal one. It occurred on Sunday morning, at the milk house of the company, when the employees were getting the milk ready for the early morning supply. About 5 o'clock, Bright was at work on a centrifugal machine used for separating the cream from the milk, and, the floor being wet, he slipped, and, throwing his arm out to save himself from falling, it came in contact with the machine, the arm being torn from its socket and hanging by only a thread of flesh. He was removed to the City Hospital, where he died in the afternoon of the same day.

CHARLES P. FROST, Brockton. Home Bank Building. Date of accident, March 25. This was a fatal accident, and caused by an elevator. Frost was employed as elevator boy, and at the time of the accident was alone on the elevator. It occurred between the third and fifth floors when the elevator was descending. The freight elevator is attached to and under the passenger car, and it is supposed that the boy was climbing from one car to the other, when he was caught by the neck between the elevator and the latticed door and partition enclosing the well. He sustained such injury that he died about 2 o'clock the following morning at his home.

JOHN MCCARTHY, Boston. Pearson Cordage Company. Date of accident, April 13. While at work as an oiler he was struck on the forehead by the flyer of the spinning machine, which broke while in operation, causing a compound fracture of the skull.

ANTONIA SILVIA, Lawrence. Pacific Yarn Mill. Date of accident, April 14. While oiling the cards Silvia had his right arm caught by a belt which ran between the cards. He was severely injured about the arms, shoulders and head.

PHILLIP O'HEARNE, Taunton. Canoe River Mills. Date of accident, April 25. He was cleaning a twister machine, when his right hand was caught in the gearing. The two middle fingers were amputated.

LEWIS F. KING, Shelburne Falls. J. A. Richmond's establishment. Date of accident, April 26. King was at work at a planer, planing boards. The knives had become covered with shavings, and in reaching over to brush the shavings away his right hand was caught by the knives. His thumb was cut off, the first three fingers were cut off at the knuckles, and the little finger was lost at the second joint.

FREEMAN NICKERSON, North Easton. Rice & Hutchins. Date of accident, April 28. He was at work on a machine which rested upon a bench, overhead of which runs a shaft, on which was a 24-inch pulley. This pulley burst, part of which flew downward and struck the machine, knocking it from the bench. The machine in falling struck Nickerson, breaking his left leg at the hip.

MANUEL SYLVIA, East Cambridge. American Rubber Company. Date of accident, May 11. This was a fatal accident, caused by an explosion of naphtha. It is not known what led to the explosion. The building where it occurred was used for storing cement and naphtha, and Sylvia was there alone at the time. The explosion took place about 7.45 in the evening. The men who were at work in another part of the building, hearing the explosion, hurried to the place, and found the lifeless body of Sylvia.

WILLIAM ATKINS, Boston. Johnson Brothers. Date of accident, May 18. This accident was fatal, and was caused by a band-saw. Atkins was in the act of placing a log (to be sawed into boards) on the carriage, when the machine was put in motion by the trap-door of a sawdust box falling against the lever starting the pulley and belt. Before Atkins could leave the carriage he was carried against the saw, cutting his body nearly in two and causing instant death.

JOHN O'CONNOR, Holyoke. Merrick Thread Company. Date of accident, May 18. This was a fatal accident. O'Connor was employed in the mule-room as a back tender. The spinner in charge stopped the mule and told O'Connor to wipe the mule carriage. He did so and then took his place back of the mule. The spinner in the meantime discovered that it was too early to clean up, and he told O'Connor not to clear any more and made a motion to him to leave the machine. O'Connor started and walked down the aisle. The spinner, seeing the way clear, started up the mule, but meanwhile O'Connor had crawled under the machine again without being seen. After starting the mule the spinner discovered O'Connor under the same, but not soon enough to stop the machine before O'Connor was caught between the sumpson and the bumper of the mule. His ribs and spine were broken, and he died from the effects of his injuries about half an hour after the accident occurred. He was sixteen years of age and had been employed in the mill only a day and a half. He had been warned by the overseer and the spinner in charge not to crawl under the machine when it was in motion.

ANTOINE IRYK, Holyoke. Lyman Mills. Date of accident, May 19. This accident was fatal, and was caused by shafting. Iryk was employed as a card-grinder, and it was also his duty to start the power every morning. The watchman stated that he saw Iryk go into the mill as usual and start the wheel. The watchman went down stairs to start the pumps, and seeing the speed all right went up stairs again. Hearing a noise near at hand, he went to see the cause, and saw a belt wound around the main shaft, but did not notice any one thereabout. He ran up stairs to search for Iryk, when he met the overseer of the card-room, whom he informed about the belt. Both the watchman and overseer went down stairs to the place where the belt was, and there found Iryk lying unconscious, about ten feet from the main shaft. It seemed from surrounding circumstances that his right arm had been caught by the shaft, and he was drawn over it and whirled around it, and then thrown to the floor. His right arm was badly crushed, his left leg was broken, and there were bad wounds on the back of the head. The accident occurred about 6 o'clock in the morning, and Iryk died at 2 o'clock in the afternoon of the same day.

FREDERICK SEAYER, Chelsea. Magee Furnace Company. Date of accident, June 1. This accident, which resulted fatally, was caused by the victim being caught on shafting. An iron water-pipe had been laid through a brick wall, and Seaver was engaged in filling up the opening with bricks, and was standing on an elevation about ten feet from the ground, and which was fixed over a barrel-shaped machine used for cleaning castings. Instead of descending by a ladder, which he might have used, he attempted to pass under the shafting to get to a hanging plank walk beyond, when it is supposed his sleeve caught on the set-screw, drawing him on and carrying him around the shaft and against the plank walk. One shoulder and some ribs were fractured and one leg broken. He received also internal injuries. He was taken to the Frost Hospital, where he died at 1 o'clock the following morning. This is the first fatal accident which has occurred at this establishment for thirty years.

EDWARD REYNOLDS, Dedham. Merchants' Woollen Company. Date of accident, June 6. Reynolds was at work at a machine called a cone-duster, used for taking dust out of woollen card waste. He had oiled the machine, and, after starting the same, and while yet having hold of the shipper, the machine burst, the fragments being thrown all about, a portion of them striking

Reynolds on the chest, hand and knee-pan, and throwing him against an iron post about four feet distant. He was considerably bruised and shaken up, but the report states that he is doing well.

JOSEPH HALEY, Boston. O. Sheldon & Co. Date of accident, June 13. This accident had a fatal result. Haley was sawing a piece of board. After sawing part way through he tried to pull the board back, but the saw caught and threw the board back, striking him in the groin. He was conveyed to the City Hospital. An artery was ruptured, from which he bled internally, and he died about eight hours after the accident.

JOSEPH FEENEY, New Bedford. Bennett Manufacturing Company. Date of accident, June 17. Feeney was employed as a card-tender, and while operating a card his right hand was caught between the card cylinder and the casing of one of the carding engines. All the flesh of the lower half of the hand was stripped from the bones. He was taken to his home, where the doctor found it necessary to amputate all of the fingers and half of the hand.

PAUL CHRISTIAN, Lynn. Thomson-Houston Electric Company. Date of accident, July 11. This was a fatal accident, caused by the breaking of an emery wheel. Christian was engaged in grinding a small casting, which caught between the emery wheel and frame, breaking the wheel, pieces of which struck him in the breast, killing him instantly.

WILLIAM HOOPER, Boston. Everett Piano Company. Date of accident, ————. This was a fatal accident, caused by an elevator. Hooper was a plasterer, and, while taking a load of laths to the top of the building on the elevator, attempted to get off at the third floor while the elevator was in motion, and was caught between the platform of the elevator and floor. When found was dead, his head being forced down between his legs. His back and legs were broken.

ALBERT H. BRIERLY, Springfield. Homer Foot Company. Date of accident, August 10. This was a fatal accident. Brierly was employed as a shipping clerk. He had carried some goods up to the second floor, or iron room, unloaded it, and returned to the elevator. Some of the clerks on the first floor had occasion to use the elevator soon afterwards. Brierly was called and asked if he was through with it; he replied in the affirmative. One of the clerks then started the elevator down to the first floor. Suddenly

he heard a crash. The elevator was immediately stopped, and the clerks went up stairs to ascertain what the trouble was, and found Brierly with his head caught between the upper deck of the elevator and the upper part of the elevator gate, which was broken by the collision. His neck was broken, and he lived about twenty minutes. He had been in the employ of Homer Foot Company for about nine years and had used the elevator constantly.

LUKE CALLERY, Fall River. Osborn Mills. Date of accident, ————. Callery was removing some cotton which was wrapped around some rollers on the back of a card, and in doing so he lifted up a small door used for cleaning purposes; his hand slipped in between the cylinder and the frame of the card, crushing the fingers and breaking one of his wrists. He was conveyed to a doctor, and the injury found to be so great as to necessitate amputation above the wrist.

RICHARD D. CROWLEY, Lynn. Crowley & Donavon. Date of accident, September 2. This was a fatal accident. Crowley was employed in a general way in the factory of Crowley & Donavon. He was standing at the landing on the third floor looking down the elevator well, when some one started the elevator down from the floor above him, and while the elevator was descending Crowley's neck was caught between the platform of the elevator and the gate, causing death by strangulation.

GEORGE H. MURPHY, Boston. George T. McLauthlen & Co. Date of accident, September 9. This was a fatal accident, caused by an elevator. Murphy had taken the freight elevator at one of the lower floors and ascended to the sixth floor. While on this floor he placed upon a truck a small box of ashes, which was some thirty feet from the elevator. It is presumed that he went backwards to the elevator, pulling the truck after him, stooping under the chain guard to reach the elevator, which he supposed was at the landing, but had been lowered to the first floor. Murphy fell backwards down the elevator well, striking the platform of the elevator, killing himself instantly.

ALICE EUGENIA BROAD, Boston. Homœopathic Hospital. Date of accident, October 15. This was a fatal accident. Miss Broad fell down the elevator shaft at the Homœopathic Hospital. Her neck was broken, causing instant death. Miss Broad had been for a long time troubled by attacks of dizziness, which of late had been unusually severe and of frequent occurrence. The immediate cause of death was presumably due to one of these

attacks. She stood at one of the landings of the elevator, and it is presumed that while reaching for the cable she became suddenly dizzy and plunged headlong down the shaft. The double sliding doors opening in to the shaft were both open at the time of the accident.

MARY ANN FINNEGAN, Stoneham. Smith & Baker. Date of accident, October 26. This was a fatal accident. Miss Finnegan was employed on the fourth floor of the factory. Her duty was to collect the uppers of shoes from the stitchers on that floor and send them down on the elevator to the first floor. The elevator well was guarded on each floor by doors and gates. Miss Finnegan, in some manner unknown, fell down the elevator well, the gate giving way and falling with her. She was found lying in the car of the elevator, with the uppers of the shoes and the broken gate from the fourth floor alongside of her. Miss Finnegan died about five hours after the accident occurred.

JOHN SEGO, Malden. Wiggins & Stevens. Date of accident, October 26. This was a fatal accident. Sego was employed in the factory of Wiggins & Stevens. He was in the grinding room of the factory. The shafting in this room was some 9 feet 8 inches from the floor. Sego was trying to place a belt on one of the pulleys (there being three) and was standing on a platform 5 feet 6 inches or more from the floor. While in the act of putting the belt on one of the small pulleys he leaned against the larger pulley, and in an instant Sego was whirled around the shafting. McCormick, the foreman, seeing the position of Sego, rushed to the engine-room and had the machinery stopped. On returning to the room the lifeless body of Sego was found upon the floor. How he got caught is unknown. There was no collar or set-screws on the shafting whereby he could have been caught.

ALEXANDER GREER, Maynard. Assabet Manufacturing Company. Date of accident, November 21. Greer was employed in the above establishment as an oiler of machinery. He was on the roof of the dye-house, engaged in oiling the shaft of an exhaust fan, when in some unknown manner his right arm was caught by the blades of the exhaust fan and cut off above the elbow.

I have taken occasion herein to refer to the large proportion of accidents which have happened and been reported as belonging to a class of cases which no provision of law could reach, as the same did not occur through any cause which

could be attributed to running machinery, elevators, hoist-ways or other means used in the various establishments of industry, but were the result of causes innumerable and impossible to contemplate or foresee, thus rendering them outside the scope of the statute law. Wherefore, I beg leave to recommend that such an amendment to the present law in relation to this subject be enacted as will more clearly define the causes leading to these accidents, wherein reports of the same will be required. This would relieve all those to whom this law applies of the uncertainty which now exists as to their obligation in reporting accidents of the class referred to, and to that end would, I think, serve a good purpose.

DETECTIVE DEPARTMENT.

REPORT OF THE DETECTIVE DEPARTMENT.

SPECIAL DUTIES.

Officers of the force have been called upon for special duty at South Framingham, Taunton, Newburyport, Concord, Randolph, Medford, North Abington, Winthrop, Cottage City, Worcester, Sturbridge, Pittsfield, Westport, Marshfield, Bridgewater and Brockton.

ARRESTS.

Arrests have been made to the number of 475; total number of cases investigated, 1,006; total value of property recovered, \$6,366.75.

REPORTS OF OFFICERS, BY DISTRICTS.

Suffolk County.

Officer Frederick A. Rhoades detailed for duty at headquarters. Total number of cases investigated, 52; total number of arrests, 27; value of property recovered, \$75.

Among the most important cases investigated was the case of John C. Lynch, who escaped from the Massachusetts State Prison and was returned from England on extradition.

Worcester County.

Officer Peleg F. Murray. Total number of cases investigated, 46; total number of arrests, 13; value of property recovered, \$1,145.

Among the most important cases investigated were the following:—

EDWARD CUNNINGHAM. Crime, murder. Indicted and awaiting trial.

FRANK BEDARD. Crime, manslaughter. Found guilty; sentenced to four years in Massachusetts State Prison.

LOUIS GILBERT. Crime, breaking and entering and larceny of team. Found guilty; sentenced to eighteen months in the House of Correction.

ALBERT ROPER. Crime, adultery. Found guilty; sentenced to ten months in the House of Correction.

BENJAMIN E. LEARNARD. Crime, arson. Found guilty; sentenced to three years in the Massachusetts State Prison.

EMORY A. LAWRENCE. Crime, arson. Found guilty; sentenced to five years in the Massachusetts State Prison.

GEORGE S. AYER. Crime, incendiarism. Awaiting trial.

JULIUS PINKOFFSKY. Crime, promoting a lottery. Awaiting trial.

Essex County.

Officers Moulton Batchelder and Joseph E. Shaw. Total number of cases investigated, 94; total number of arrests, 53; total value of property recovered, \$1,557.75.

Among the most important cases investigated were the following: —

DAVID F. COLLINS. Crime, murder of James and William Addison. Collins was arrested and committed to jail at Exeter, N. H., for extradition, where he committed suicide.

CHARLES S. YOUNG, *alias* WARREN S. DEARBORN. Crime, arson. Found guilty; sentenced to the Massachusetts State Prison for life.

OSCAR B. HUBBELL. Crime, arson. Found guilty; sentence pending.

FRANK M. VINING. Crime, forgery. Found guilty; sentenced to five years in the Massachusetts State Prison.

FRANK HAWKINS. Crime, assault with a dangerous weapon. Found guilty; sentenced to three years in the House of Correction.

JOHN H. HILL. Crime, burglary. Found guilty; sentenced to two years in the House of Correction.

FRANK C. CONNOR, *alias* CLARENCE CONNOR. Crime, burglary. Found guilty; sentenced to the Massachusetts Reformatory.

GEORGE B. BROWN, *alias* ISAAC N. PAGE. Crime, burglary. Found guilty; sentenced to the Massachusetts Reformatory.

RUFUS E. FERREN. Crime, burglary. Found guilty; sentenced to the Massachusetts Reformatory.

DANIEL F. DONOVAN. Crime, selling mortgaged property. Indicted; sentence pending.

FLORENCE FOSTER. Crime, cruelty to dumb animals. Awaiting trial.

FRANK REGAN. Crime, larceny in building. Found guilty; sentenced to five years in the Massachusetts State Prison.

JOHN SULLIVAN. Crime, breaking and entering and larceny. Found guilty; sentenced to seven years in the Massachusetts State Prison.

FRED A. GRANT. Crime, larceny. Found guilty; sentenced to pay a fine of \$100.

WILLIAM KENNEDY. Crime, breaking and entering and larceny. Found guilty; sentenced to nine months in the House of Correction.

FRANK M. CHANDLER. Crime, accessory to an assault to rob. Found guilty; sentenced to seven years in the Massachusetts State Prison.

HORATIO G. DAY. Crimes, assault with a dangerous weapon with intent to rob; also, breaking and entering. Found guilty; sentenced to nine years in the Massachusetts State Prison.

JOHN PURCELL, *alias* JOHN MORRILL, *alias* JACK. Crime, assault with a dangerous weapon with intent to rob. Found guilty; sentenced to nine years in the Massachusetts State Prison.

Norfolk and Plymouth Counties.

Officer George C. Pratt. Total number of cases investigated, 93; total number of arrests, 12; total value of property recovered, \$75.

Among the most important cases investigated were the following:—

AUGUST LANGER. Crime, murder. Indicted; awaiting trial.

GEORGE COLBURN. Crime, murder. Found guilty; awaiting sentence.

DAVID LITTIAGE. Crime, murder. Case pending.

WILLIAM H. BARREY. Crime, perjury. Case pending.

DAVID CAMERON. Crime, larceny. Found guilty; sentenced to pay a fine.

NELLIE M. GLOUSTER. Crime, murder. Found not guilty.

Safe-blowing at the Holbrook post-office.

Safe-blowing at the Savings Bank at Medfield.

Safe-blowing at the railroad depot, Hanover.

Hampshire and Franklin Counties.

Officer Benson Munyan. Total number of cases investigated, 120; total number of arrests, 40; total value of property recovered, \$300.

Among the most important cases investigated were the following:—

EDWARD HALL. Crime, larceny from building. Found guilty; sentenced to three years in the House of Correction.

JAMES McDONALD. Crime, assault with intent to ravish. Found guilty; sentenced to ten years in the Massachusetts State Prison.

EDWARD BEGOR. Crime, murder. Found guilty; sentenced to the Massachusetts State Prison for life.

HARRY AIKEN. Crime, highway robbery. Found guilty; sentence pending.

FREDERIC BLACKMER. Crime, incest. Found guilty; sentenced to the Massachusetts State Prison for eight years.

JARED REMINGTON. Crime, manslaughter. Awaiting trial.

ORRIN GRAVES. Crime, polygamy. Awaiting trial.

Berkshire and Hampden Counties.

Officer Moses H. Pease. Total number of cases investigated, 229; total number of arrests, 171.

Among the most important cases investigated were the following:—

FRED WILSON. Crime, false pretences. Found guilty; sentenced to one year in the House of Correction.

ANDREW LONGDYKE. Crime, fugitive from justice. Turned over to the Commonwealth officers; he was afterwards sentenced to two years in the Commonwealth State Prison.

ANGELO SCHROEDER. Crime, larceny of team. Found guilty; sentenced to two years in the House of Correction.

CHARLES A. LEWIS. Crime, adultery. Case now pending.

PETER O'CONNELL. Crime, rape. Case now pending.

JOSEPH MICUE. Crime, rape. Case now pending.

HENRI TRIPET. Crime, polygamy. Found guilty; sentenced to two years in the House of Correction.

CHARLES F. POWERS. Crime, criminal trespass. Case now pending.

ALLEN H. SON. Crime, larceny. Found guilty; sentenced to the Massachusetts Reformatory.

E. J. COMBS. Crime, violation of the insurance law. Found guilty; sentenced to pay a fine of \$100.

Middlesex County.

Officers Josiah A. Bean and Jophanus H. Whitney. Total number of cases investigated, 267; total number of arrests, 112; total value of property recovered, \$2,419.

Among the most important cases investigated were the following:—

WILLIAM SCANLON. Crime, larceny. Found guilty; sentenced to the Massachusetts Reformatory.

JAMES T. RYAN. Crime, larceny. Found guilty; sentenced to three months in the House of Correction.

HERBERT W. HENDERSON. Crime, larceny from building. Found guilty; sentenced to eighteen months in the House of Correction.

GEORGE L. FREEMAN. Crime, larceny from building. Found guilty; sentenced to fifteen months in the House of Correction.

THOMAS SLAVIN. Crime, larceny. Found guilty; sentenced to three months in the House of Correction.

GEORGE COWHEY. Crime, defrauding hotel-keeper. Found guilty; sentenced to the Massachusetts Reformatory.

PATRICK O'BRIEN. Crime, assault and battery. Found guilty; sentenced to the Massachusetts Reformatory.

JENNIE COBB. Crime, disorderly. Found guilty; sentenced to one year in the Women's Prison at Sherborn.

WILLIAM A. BARROWS. Crime, manslaughter. Found guilty; sentenced to five years in the Massachusetts State Prison.

JOHN JARVIS. Crime, breaking and entering. Found guilty; sentenced to the Massachusetts Reformatory.

HENRY SANCIVILLE. Crime, breaking and entering. Found guilty; sentenced to the Massachusetts Reformatory.

HARVEY ELDERKIN. Crime, breaking and entering. Found guilty; sentenced to one year in the House of Correction.

GEORGE ELDERKIN. Crime, breaking and entering. Found guilty; sentenced to six months in the House of Correction.

CHARLES ELDERKIN. Crime, breaking and entering. Found guilty; sentenced to the Massachusetts Reformatory.

JOANNA McCUE. Crime, lewdness. Found guilty; sentenced to one year in the Women's Prison at Sherborn.

ELMER E. COZZENS. Crime, larceny. Found guilty; sentenced to the Massachusetts Reformatory.

FRANK L. DOWLING. Crime, larceny. Found guilty; sentenced to the Massachusetts Reformatory.

JAMES CAHILL. Crime, lewdness. Case now pending.

WILLIAM A. HOOK. Crime, adultery. Case now pending.

JAMES BIRMINGHAM, *alias* GEORGE O'BRIEN. Crime, larceny of team. Found guilty; sentenced to the Massachusetts Reformatory.

WILLIAM WHITNEY. Crime, highway robbery. Case now pending.

FRANK H. HARRIS. Crime, highway robbery. Case now pending.

HERBERT P. GOODWIN. Crime, manslaughter. Case now pending.

JOHN ROGGE. Crime, arson. Case now pending.

ELMER PARTRIDGE. Crime, felonious assault. Adjudged insane.

CHARLES H. SCHELMNER. Crime, fugitive from justice. Turned over to New York office, where he was wanted for larceny.

FRANK LEVINE. Crime, fugitive from justice. Turned over to Connecticut officers, where he was tried for breaking and entering, found guilty, and sentenced to three years in the Connecticut State Prison.

WILLIAM CRUISE. Crime, breaking and entering. Case now pending. Cruise has served one sentence in the Massachusetts State Prison; also several sentences in the House of Correction.

EDWARD FAHEY, *alias* FRANK SULLIVAN. Crime, breaking and entering. Case now pending. Fahey has served a sentence of two years in the House of Correction for larceny.

EDWARD DALEY. Crime, breaking and entering. Case now pending.

DAVID WIGGIN. Crime, breaking and entering. Case now pending.

Barnstable, Bristol, Nantucket and Dukes Counties.

Officer George F. Seaver. Total number of cases investigated, 75; total number of arrests, 21; total value of property recovered, \$785.

Among the most important cases investigated were the following:—

JAMES WELCH. Crime, manslaughter. Indicted; found not guilty.

WILLIAM HALE. Crime, burglary. Found guilty; sentenced to three years in the House of Correction.

FREDERIC JOHNSON. Crime, burglary. Found guilty; sentenced to three years in the House of Correction.

ARTHUR DIONE. Crime, larceny. Found guilty; sentenced to two years in the House of Correction.

ALTON C. BAKER. Crime, burglary. Found guilty; sentenced to the House of Correction.

JAMES DAWLEY. Crime, breaking and entering. Case now pending.

Case of felonious assault on Rev. Mr. Chambers of Harwich now under investigation; also investigating the cause of the death of Patrick McCarthy, found dead at North Attleborough.

SPECIAL DUTY.

By authority of chapter 389 of the Acts of 1888, William H. Proctor was appointed an additional district police officer, and it was made my duty, upon said appointment, to detail him for service under the direction of the Commissioners on Inland Fisheries and Game. For purposes of record I herewith append his report, relating to the operations of the fish and game laws, which it is his special duty to enforce.

REPORT OF OFFICER WILLIAM H. PROCTOR.

Total number of arrests, 21; total number of cases investigated, 30; total value of property recovered, \$10; amount of fines imposed, \$1,665; number of lobsters seized and planted, 6,411; number of lobsters eggs planted, 4,720,000.

I have inspected the Massachusetts coast in a steamer and find that the fishermen of this State are complying with the law better than in former years. The menhaden steamers owned in other States still disregard our laws and steal in and attempt to catch fish whenever an opportunity is offered. It has taken all my time during the latter part of the summer to protect our waters from the raids of said steamers. The destruction of young lobsters has not been so great, owing in part to an excellent law that was passed by the last Legislature, prohibiting lobster-fishing by non-residents. Smacks from other States formerly came into our waters near the State line and carried away small and egg-bearing lobsters without any regard for our laws. The strict enforcement of chapter 183, Acts of 1893, has caused these poachers to abandon our waters entirely.

I have not had any complaint of violation of the game laws and there has not been any to my knowledge.

CONSOLIDATED STATISTICAL REPORT.

Abduction,	1	Manslaughter,	2
Adultery,	4	Murder,	5
Arson,	7	Non-support of family,	1
Assault and battery,	42	Obtaining goods by false pre-	
Assault with dangerous weapon,	2	tences,	5
Breaking and entering,	38	Obtaining money by false pre-	
Burglary,	7	tences,	2
Capias,	4	Polygamy,	1
Contempt of court,	1	Profanity,	1
Cruelty to animals,	6	Promoting a lottery,	4
Defrauding hotel-keeper,	7	Rape,	3
Disturbing religious meeting,	7	Receiving stolen property,	2
Disturbing the peace,	99	Refusing to show book of loans,	1
Embezzlement,	5	Robbery,	1
Escaped prisoner,	2	Selling mortgaged property,	3
Evading payment of railroad		Stubbornness,	1
fare,	1	Swindling,	1
Felonious assault,	4	Threatening,	1
Forgery,	4	Transfer of prisoners,	18
Fornication,	3	Trespass,	2
Fugitive from justice,	3	Vagrancy,	7
Highway robbery,	5	Violation of the fish law,	18
Idle and disorderly,	1	Violation of the insurance law,	6
Illegal driving of team,	3	Violation of the law in regard	
Illegal peddling,	2	to the employment of chil-	
Incest,	1	dren,	1
Indecent exposure,	2	Violation of the law in re-	
Insanity,	1	gard to the manufacturing of	
Keeping a disorderly house,	2	clothing,	4
Larceny,	69	Violation of the license law,	1
Larceny from building,	4	Violation of the liquor law,	29
Larceny of team,	5		
Lewdness,	6	Total,	475
Malicious mischief,	7		

THE DISPOSITION OF FORFEITED LIQUORS.

It is made my duty, by chapter 100, section 38 of the Public Statutes, to receive from the respective trial justices and courts of the Commonwealth all liquors forfeited by order of said justices and courts, sell the same, and pay over the net proceeds to the State treasurer. Implements of sale and furniture used in the sale of such liquors are included in such disposition. This legislation has proved to be effective to a considerable degree in suppressing the illegal sale of intoxicating liquor. I annex a schedule showing the cities and towns from which the liquor has been received, and the quantity that has been turned over to me up to present date.

Forfeited Liquors from Dec. 1, 1892, to Dec. 1, 1893.

CITY OR TOWN.	Number of Seizures.	SPIRITUOUS.				MALT.			
		Gallons.	Quarts.	Pints.	Gills.	Gallons	Quarts.	Pints.	Gills.
Abington,	4	3	—	—	1	—	1	1	—
Amesbury,	12	23	3	—	2	44	—	—	—
Andover,	1	—	—	—	—	6	—	—	—
Ashburnham,	1	—	—	2	2 $\frac{1}{2}$	3	—	—	—
Ashland,	10	2	3	1	—	124	—	1	—
Attleborough,	4	8	2	1	1 $\frac{1}{2}$	83	2	—	—
Avon,	8	5	1	1	2	60	—	—	—
Barre,	1	2	—	1	—	—	—	—	—
Berlin,	1	1	1	—	—	—	2	—	—
Beverly,	7	9	2	1	2	—	—	—	—
Boston,	1	—	2	—	—	—	2	—	—
Boston,	573	839	1	1	3 $\frac{1}{2}$	5,077	2	1	1
Braintree,	3	1	1	—	—	7	—	—	2
Bridgewater,	2	2	3	—	—	40	—	—	—
Brockton,	80	108	—	1	3 $\frac{1}{2}$	213	2	1	—
Brookfield,	5	4	1	—	—	56	2	—	—
Brookline,	9	31	—	—	—	51	1	—	—
Cambridge,	57	51	1	—	—	551	—	1	—
Canton,	2	—	2	1	3	—	—	—	—
Chelsea,	81	43	2	1	2 $\frac{1}{2}$	257	2	1	2
Clinton,	8	14	—	—	2	19	3	1	—
Cohasset,	1	2	1	—	2	—	—	—	—
Danvers,	11	13	2	1	3	235	3	—	3
Dedham,	6	—	2	1	—	29	—	—	2
Douglass,	7	2	2	—	2	24	3	—	—
Duxbury,	1	—	3	—	—	—	3	—	—
East Bridgewater,	1	—	1	—	—	—	—	—	—
Enfield,	1	1	—	—	1	—	—	—	—
Everett,	10	—	1	1	3	54	2	1	1

Forfeited Liquors, etc. — Continued.

CITY OR TOWN.	Number of Seizures.	SPIRITUOUS.				MALT.			
		Gallons.	Quarts.	Pints.	Gills.	Gallons.	Quarts.	Pints.	Gills.
Fairhaven,	1	9	2	—	—	53	—	—	—
Fall River,	28	234	2	—	3	630	3	1	—
Fitchburg,	23	31	2	1	—	435	—	1	—
Framingham,	7	—	—	—	2 $\frac{1}{2}$	—	1	1	—
Franklin,	3	19	2	—	2	34	—	—	—
Freetown,	2	1	—	—	—	8	—	—	—
Gardner,	11	23	3	—	1	24	1	1	—
Grafton,	1	1	2	1	—	10	—	—	—
Hardwick,	6	15	—	—	2	43	1	1	—
Haverhill,	19	103	1	—	3	179	3	—	—
Hingham,	2	—	—	—	—	16	—	—	—
Holbrook,	1	—	3	—	—	10	—	—	—
Holyoke,	38	32	3	—	2	1,302	3	—	1
Hudson,	3	—	3	3	—	53	—	—	—
Hyde Park,	4	4	2	—	—	33	—	—	—
Lancaster,	1	—	—	—	—	9	—	—	—
Lawrence,	129	763	3	—	1 $\frac{1}{2}$	840	1	1	—
Lee,	1	1	1	—	—	—	—	—	—
Leicester,	13	3	2	—	—	7	3	—	—
Lenox,	2	1	2	1	2	—	—	—	—
Lowell,	72	139	2	—	1	284	3	—	1
Lynn,	58	78	3	—	$\frac{1}{2}$	211	2	—	1
Lynnfield,	1	—	2	1	—	9	—	—	—
Malden,	67	31	1	1	3	419	3	1	—
Manchester,	2	—	—	1	—	29	1	1	—
Mansfield,	2	8	1	—	—	—	2	—	—
Marblehead,	8	10	—	—	1	30	1	1	—
Marlborough,	22	7	—	—	—	138	1	1	$\frac{1}{2}$
Maynard,	9	8	3	—	1	220	—	—	—
Medford,	4	—	—	1	3	5	1	—	2
Medway,	5	3	1	—	2	1	1	1	—
Melrose,	6	—	2	1	2	15	3	1	—
Methuen,	7	3	2	—	2	42	2	1	—
Milford,	9	5	2	1	2	10	1	—	—
Millbury,	8	2	1	—	—	8	1	—	—
Milton,	1	—	3	—	—	3	—	—	—
Monson,	11	—	2	—	2 $\frac{1}{2}$	52	—	—	$\frac{1}{2}$
Needham,	3	—	—	1	—	11	2	1	—
New Bedford,	21	24	2	1	—	86	1	—	—
Newburyport,	14	7	3	—	—	104	—	1	2
Newton,	1	—	—	—	—	57	—	—	—
North Adams,	4	2	3	1	—	61	—	—	—
Northbridge,	5	2	2	1	2	8	2	—	—
North Brookfield,	6	3	1	1	—	34	—	1	—
Norwell,	1	7	—	—	—	—	—	—	—
Norwood,	2	—	2	1	—	8	1	—	—
Orange,	1	—	—	—	—	—	1	—	—
Oxford,	2	1	1	1	2	12	1	1	—
Palmer,	25	36	3	1	1	108	1	1	—
Peabody,	5	1	2	—	—	149	—	—	—

Forfeited Liquors, etc. — Concluded.

CITY OR TOWN.	Number of Seizures.	SPIRITUOUS.				MALT.			
		Gallons.	Quarts.	Pints.	Gills.	Gallons.	Quarts.	Pints.	Gills.
Pepperell,	4	—	1	1	—	28	1	—	—
Phillipston,	3	1	2	1	3	8	—	1	—
Plymouth,	2	4	2	—	—	7	2	—	—
Quincy,	6	43	1	—	2	36	—	—	—
Randolph,	10	6	1	1	3	86	3	1	—
Reading,	1	—	—	—	—	—	—	—	2
Revere,	6	7	3	—	—	10	1	1	—
Rockland,	1	—	—	—	—	17	2	—	—
Rockport,	3	2	3	1	—	6	3	1	—
Salem,	17	14	3	1	1	2	—	—	2
Saugus,	2	2	—	—	—	8	2	—	—
Sharon,	2	—	—	—	—	45	—	—	—
Somerville,	12	9	2	—	—	148	2	1	2
Spencer,	9	2	1	1	2	24	1	—	—
Springfield,	29	65	2	—	—	88	—	1	—
Sterling,	1	—	—	—	—	7	2	—	—
Stoneham,	13	6	1	1	2	12	1	1	—
Stow,	1	71	—	—	—	117	—	—	—
Sudbury,	1	2	—	—	—	1	—	—	—
Sutton,	3	1	3	—	—	1	—	—	—
Taunton,	11	96	—	—	—	230	1	1	—
Wakefield,	4	4	1	1	2	80	—	—	—
Wales,	2	4	—	1	1	—	—	—	—
Waltham,	5	95	1	—	2	37	1	—	—
Wareham,	3	15	2	—	—	38	3	—	—
Warren,	8	19	3	—	$\frac{1}{2}$	83	3	—	—
Watertown,	12	9	3	—	$\frac{1}{2}$	33	—	1	—
Webster,	1	—	—	—	—	20	—	—	—
West Boylston,	5	6	1	1	2	14	—	—	—
West Brookfield,	1	—	2	—	—	—	—	—	—
Weston,	1	—	1	1	2	—	—	—	—
Weymouth,	26	10	—	—	1	62	1	1	—
Whitman,	4	1	1	—	1	8	—	—	—
Wilbraham,	5	10	1	—	—	35	2	—	—
Williamstown,	1	—	—	—	2	19	—	—	—
Winchendon,	2	—	1	—	—	—	—	—	—
Winchester,	3	10	3	1	—	6	—	—	—
Woburn,	41	30	—	1	3	185	1	—	—
Worcester,	317	493	3	1	2	1,097	—	—	3
Wrentham,	6	8	2	1	2	10	1	1	—
Total,	2,169	3,876	2	1	2	15,374	—	—	—

*Total of Forfeited Liquors received under Chapter 100 of the
Public Statutes.*

YEAR.	Number of Seizures.	Malt Liquors. (Barrels.)	Spirituous Liquors. (Barrels.)	Total. (Barrels.)
1876,	1,824	30,872 $\frac{10}{32}$	5,198 $\frac{5}{32}$	36,070 $\frac{15}{32}$
1877,	1,579	15,825 $\frac{5}{32}$	4,564 $\frac{8}{32}$	20,390 $\frac{1}{32}$
1878,	1,472	16,650 $\frac{0}{32}$	2,614	19,265 $\frac{0}{32}$
1879,	747	8,431 $\frac{8}{32}$	1,314 $\frac{9}{32}$	9,746 $\frac{5}{32}$
1880,	751	7,102 $\frac{21}{32}$	2,213 $\frac{8}{32}$	9,315 $\frac{8}{32}$
1881,	923	10,326 $\frac{23}{32}$	2,360 $\frac{8}{32}$	12,686 $\frac{31}{32}$
1882,	1,142	12,220 $\frac{13}{32}$	3,301 $\frac{81}{32}$	15,522 $\frac{12}{32}$
1883,	806	6,487 $\frac{27}{32}$	1,541 $\frac{2}{32}$	8,029 $\frac{7}{32}$
1884,	1,096	11,077 $\frac{27}{32}$	1,928 $\frac{15}{32}$	13,006 $\frac{10}{32}$
1885,	898	9,261	1,390	10,652 $\frac{1}{4}$
1886,	1,602	14,639 $\frac{31}{32}$	2,408 $\frac{18}{32}$	17,048 $\frac{17}{32}$
1887,	1,506	16,109 $\frac{6}{32}$	2,248 $\frac{17}{32}$	18,358 $\frac{1}{32}$
1888,	1,817	17,569 $\frac{11}{32}$	3,077 $\frac{16}{32}$	20,646 $\frac{27}{32}$
1889,	2,117	23,189 $\frac{25}{32}$	2,657 $\frac{10}{32}$	25,847 $\frac{8}{32}$
1890,	2,041	16,900 $\frac{1}{32}$	2,830 $\frac{14}{32}$	19,730 $\frac{15}{32}$
1891,	2,355	17,060	3,926	20,986
1892,	2,334	17,788 $\frac{13}{32}$	3,571 $\frac{7}{32}$	21,359 $\frac{0}{32}$
1893,	2,169	15,374	3,876 $\frac{23}{32}$	19,250 $\frac{23}{32}$

Liquors, and vessels containing the same, that have been seized and forfeited by virtue of said act, I have sold, and paid to the treasurer of the Commonwealth the sum of twelve hundred dollars received from such sales.

Appropriations and Expenditures.

	Appropriations.	Expended.
Compensation of officers,	\$58,875 00	\$58,536 13
Travel,	21,100 00	17,002 53
Contingent,	2,000 00	1,808 26
	\$81,975 00	\$77,346 92
Amount expended less than appropriations,	. . .	4,628 08

ROSTER OF THE MASSACHUSETTS DISTRICT POLICE.

RUFUS R. WADE, *Chief*.

CENTRAL OFFICE: Commonwealth Building, Boston.

BRANCH OFFICES: Lowell, Salem, Worcester, Springfield, Fall River, North Adams.

Department of Inspection of Factories, Workshops and Public Buildings.
— *Inspectors.*

NAME.	District Assigned.	Residence.
John T. White, . . .	District No. 1, .	Arlington.
Joseph A. Moore, . . .	District No. 2, .	Roslindale.
Edwin Y. Brown, . . .	District No. 3, .	East Boston.
Joseph M. Dyson, . . .	District No. 4, .	Worcester.
Frederick W. Merriam, . . .	District No. 5, .	North Adams.
Henry A. Dexter, . . .	District No. 6, .	Fall River.
Wm S. Buxton, . . .	District No. 7, .	Springfield.
Ansel J. Cheney, . . .	District No. 8, .	Beverly.
John F. Murphy, . . .	District No. 9, .	Lowell.
Samuel C. Hunt, . . .	Special Duty, .	Chelmsford.
James C. Murray, . . .	District No. 1, .	Boston.
Joseph Halstrick, . . .	District No. 2, .	Roslindale.
Isaac S. Mullen, . . .	District No. 3, .	Boston.
Henry J. Bardwell, . . .	District No. 4, .	Boston.
Louis F. F. Abbott, . . .	District No. 5, .	Haverhill.
John F. Tierney, . . .	District No. 6, .	Fall River.
John L. Knight, . . .	District No. 7, .	Springfield.
John J. Sheehan, . . .	District No. 8, .	Salem.
Paul Hannagan, . . .	District No. 8, .	Lawrence.
Henry Splaine, . . .	District No. 9, .	Boston.
James R. Howes, . . .	District No. 10, .	North Adams.
Fannie B. Ames, . . .	Special Duty, .	Boston.
Mary E. Halley, . . .	Special Duty, .	Lawrence.
John E. Griffin, . . .	Special Duty, .	Boston.
John F. Plunkett, . . .	Special Duty, .	Boston.
Thomas Hawley, . . .	Special Duty, .	Melrose.

Detective Department.

Josiah A. Bean, . . .	Northern, . . .	Natick.
Jophanus A. Whitney, . . .	Northern, . . .	Medford.
Joseph E. Shaw, . . .	Eastern, . . .	Lynn.
Moulton Batchelder, . . .	Eastern, . . .	Lawrence.
Frederick A. Rhoades, . . .	Suffolk County, . . .	Malden.
George C. Pratt, . . .	Southeastern, . . .	North Abington.
George F. Seaver, . . .	Southern, . . .	Taunton.
Peleg F. Murray, . . .	Middle, . . .	Worcester.
Moses H. Pease, . . .	Western, . . .	Lee.
Benson Munyan, . . .	Northwestern, . . .	Northampton.
William H. Proctor, . . .	Special Duty, . . .	Swampscott.

*Clerk, JAMES P. CAMPBELL.**Assistant Clerk, JAMES W. HOITT.**Clerk of Storehouse, B. C. DAVIS.**Storehouse Employees, JOHN COUGHLAN and TERRANCE MCSWEENEY*

CONCLUSION.

It is due to my sense of gratitude that I should respectfully acknowledge the individual aid rendered to this department in important matters by the attorney-general.

The chief executive of the Commonwealth has always encouraged me in the discharge of my duty by most cordial support; and I believe that every member of the force is strengthened in his work by the knowledge that he has the confidence and respect of his excellency the governor.

It has never seemed to me to be within the province of the district police to attach various degrees of importance to different statutes which they are commissioned to execute, but to proceed upon straight lines, showing the same respect to the laws of the Commonwealth which they expect from others.

Respectfully submitted,

RUFUS R. WADE,

Chief of Massachusetts District Police.

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